

OHIO UNIVERSITY BULLETIN



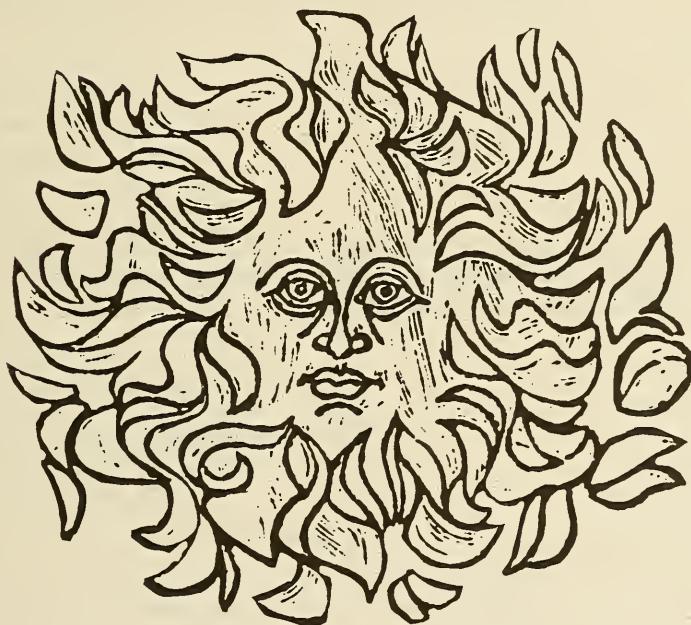
1967 SUMMER SESSION



OHIO UNIVERSITY BULLETIN

1967 SUMMER SESSION

June 12-July 18; July 20-Aug. 26



OHIO UNIVERSITY,
ATHENS, OHIO

The fees, programs, and requirements contained in this bulletin are necessarily subject to change without notice at the discretion of the University.

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ACADEMIC ORGANIZATION OF THE UNIVERSITY

THE UNIVERSITY COLLEGE

Basic preparation for admission to each of the degree-granting colleges.
Two-year terminal programs leading to the Associate in Arts degree.

THE COLLEGE OF ARTS AND SCIENCES

Curricula leading to the degrees Bachelor of Arts and Bachelor of Science.
Pre-professional curricula.

THE COLLEGE OF BUSINESS ADMINISTRATION

Curricula leading to the degree Bachelor of Business Administration.

THE SCHOOL OF JOURNALISM

Curricula leading to the degree Bachelor of Science in Journalism.

THE COLLEGE OF EDUCATION

Teacher-training curricula leading to the degree Bachelor of Science in Education.

THE SCHOOL OF HOME ECONOMICS

Curricula leading to the degree Bachelor of Science in Home Economics.

THE COLLEGE OF ENGINEERING AND TECHNOLOGY

Engineering curricula leading to the degrees Bachelor of Science in Chemical Engineering, Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Mechanical Engineering.

Curriculum leading to Bachelor of Science in Industrial Technology.

THE DEPARTMENT OF INDUSTRIAL TECHNOLOGY

THE COLLEGE OF FINE ARTS

Curriculum in the School of Architecture leading to the professional degree.

Bachelor of Architecture.

Curricula leading to the degree Bachelor of Fine Arts.

THE SCHOOL OF DRAMATIC ART AND SPEECH

THE SCHOOL OF MUSIC

THE SCHOOL OF PAINTING AND ALLIED ARTS

Academic Organization

THE GRADUATE COLLEGE

Programs leading to the degree Master of Arts, Master of Business Administration, Master of Education, Master of Fine Arts, Master of Science, and Doctor of Philosophy.

DIVISIONS OF THE UNIVERSITY

OFF-CAMPUS ACADEMIC PROGRAMS

Air Force Educational Center

Branch Campuses

Belmont County

Chillicothe

Ironton

Lancaster

Portsmouth

Zanesville

Correspondence Courses

Extension Classes

PHYSICAL EDUCATION AND ATHLETICS

THE RESERVE OFFICERS' TRAINING CORPS

Aerospace Studies

Military Science

THE SUMMER SESSION

Detailed information about the undergraduate colleges is available in the *General Catalog Issue* of the *Ohio University Bulletin*. Information about graduate study is available in the *Graduate College Bulletin*. Brief descriptions of the University College and the Graduate College are included in the *Summer Session Bulletin*.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

VERNON R. ALDEN, M.B.A., LL.D., L.H.D., *President of the University*

THOMAS S. SMITH, Ph.D., *Vice President for Academic Affairs*

MARTIN L. HECHT, B.S.C., *Vice President for University Development*

JAMES J. WHALEN, Ph.D., *Vice President*

JOHN F. MILAR, M.B.A., *Treasurer*

ROBERT H. BARNETT, B.B.A., *Business Manager*

ADMINISTRATIVE OFFICERS IN THE COLLEGES AND DIVISIONS

THE UNIVERSITY COLLEGE (Wilson Hall)

Gaige B. Paulsen, Ph.D., Dean

THE COLLEGE OF ARTS AND SCIENCES (Welsh Cottage)

George R. Klare, Ph.D., Dean

THE COLLEGE OF BUSINESS ADMINISTRATION (Copeland Hall)

Harry F. Evarts, D.B.A., Dean

THE SCHOOL OF JOURNALISM (Copeland Hall)

Loren J. Hortin, A.M., Litt.D., Director

THE COLLEGE OF EDUCATION (McCracken Hall)

Gilford W. Crowell, Ed.D., Dean

THE SCHOOL OF HOME ECONOMICS (Tupper Hall)

Beulah E. Sellers, Ph.D., Director

THE COLLEGE OF ENGINEERING AND TECHNOLOGY (Engineering Building)

Robert L. Savage, Ph.D., Dean

Administrative Officers

THE COLLEGE OF FINE ARTS (Seigfred Hall)

Jack S. Morrison, Ed.D., Dean

THE SCHOOL OF ARCHITECTURE (Seigfred Hall)

James I. Clark, Ph.D., Director

THE SCHOOL OF DRAMATIC ART AND SPEECH (Speech Building)

Claude E. Kantner, Ph.D., Director

THE SCHOOL OF MUSIC (Music Hall)

Karl Ahrendt, Ph.D., Director

THE SCHOOL OF PAINTING AND ALLIED ARTS (Seigfred Hall)

Frederick D. Leach, Ph.D., Director

SPECIAL PROGRAMS (Chubb House)

John H. Chandler, Ph.D., Director

THE GRADUATE COLLEGE (Cutler Hall)

Taylor Culbert, Ph.D., Dean

OFF-CAMPUS ACADEMIC PROGRAMS (Cutler Hall)

Edward M. Penson, Ph.D., Dean

THE UNIVERSITY EXTENSION DIVISION (Tupper Hall)

Elizabeth B. Stanton, Ph.D., Director

PHYSICAL EDUCATION AND ATHLETICS (Grover Center)

William D. Rohr, M.Ed., Director

THE RESERVE OFFICERS TRAINING CORPS (Carnegie Hall)

Cecil C. Helena, B.S., Colonel, Infantry, Professor of Military Science

Donald L. Barrett, A.B., Lt. Col., Air Force, Professor Aerospace Studies

THE SUMMER SESSION (Cutler Hall)

John R. O'Neal, M.Ed., Director

CALENDAR FOR SUMMER SESSION 1967*

April 3-15 Application for Summer Session pre-registration. Graduate students are not permitted to pre-register. Students currently enrolled on the Athens Campus should report to the Registrar's Office and express intent to enroll in the summer session.

All other interested persons please use the form in the center of the bulletin and follow instructions.

May 3-6 University College pre-registration.

May 8-13 Degree College pre-registration.

May 29—*Mon.* Deadline for payment.
(See Cancellation of Class Reservation, page 15).

June 10—*Sat.* Counseling for freshmen entering Ohio University on June 12.
Advising, counseling, and registration for both terms for students who have not pre-registered, or have failed to complete pre-registration requirements.

June 12—*Mon.* First term opens with classes.

June 13—*Tues.* Last day for registering for the first term.

June 17—*Sat.* Last day for adding course by change order.
Last day to withdraw from a course.
Last day for partial refund of fees to students who withdraw.

June 19—*Mon.* Last day for undergraduate students in first term and graduate students registered in either term to file application for a degree to be awarded on August 26.

July 4—*Tues.* Holiday.

Calendar

July 11—*Tues.* Precollege counseling of Summer Session freshmen for preparation of fall schedules.

July 18—*Tues.* Last day of classes for first term.
Final examinations.

July 19—*Wed.* Advising, counseling and registration of students not enrolled first term, 2:00 to 3:00 p.m.

July 20—*Thurs.* Second term opens with classes.
All first term grades due in Registrar's Office, 4:00 p.m.

July 21—*Fri.* Last day for registering for the term.

July 25—*Tues.* Last day for adding course by change order.
Last day to withdraw from a course.
Last day for partial refund of fees to students who withdraw.

July 27—*Thurs.* Last day for undergraduates in second term to file application for graduation on August 26. Graduate students shall have filed application by June 19.

Aug. 9—*Wed.* Last day for thesis or dissertation oral examinations.

Aug. 15—*Tues.* Theses and dissertations due in Library and abstracts due in Graduate College Office.

Aug. 25—*Fri.* Last day of classes. Final examinations during the last scheduled class meeting.

Aug. 26—*Sat.* Summer Session ends; commencement.

Aug. 28—*Mon.* All grades due in Registrar's Office, 9:00 a.m.

* A Calendar of Workshops, Conferences and Institutes appears on page 27 of the Summer Session Bulletin.

INFORMATION FOR THE PROSPECTIVE STUDENT

ADVANTAGES OF SUMMER STUDY

The 1967 Summer Session, the twenty-seventh consecutive year of summer study at Ohio University, will consist of two five and one-half week terms, June 12—July 18 and July 20—August 26. In conjunction with the two regular semesters, this provides the opportunity for year-round study and research. A graduate assistant may take advantage of study with waiver of the general registration fee during the summer session immediately preceding and following the period of his appointment.

Formal graduation exercises on Saturday, August 26, will mark the close of the Summer Session. Special arrangements are made to accommodate students completing requirements at the close of the first term who return to Athens August 26 for graduation exercises and other special events.

The courses of the Summer Session are an integral part of the academic year, with every college and department represented in the summer curriculum offerings. All courses are taught by members of the regular faculty or by visiting faculty of outstanding ability. Courses are equivalent to those offered in the regular academic year in method, content, and academic credit.

Summer courses range from the freshman to the doctoral level and are selected from the broader offerings of the regular year to meet the needs of the following:

1. Teachers and school administrators who wish to complete degree requirements or take specific courses to improve their professional standing and keep abreast of developments in the field of education. Offerings which contribute to advancements in certification by the State Department of Education will be available.

2. High school graduates who wish to begin their college education at once. By entering in the summer and attending the three subsequent summers, a student may complete the usual four-year college program in three years. Some will find attendance valuable for removing deficiencies in high school mathematics.

3. Students enrolled during the regular year who wish to accelerate their progress toward degrees.

4. Graduate students who find it necessary or desirable to utilize summer periods for study. Such students may complete as much as one-third of the Master's degree requirements in two five and one-half week sessions.

5. Branch campus students who wish to study full-time or part-time on the Athens campus during either or both summer terms.

6. Persons who are not working for degrees but who wish to enroll for specific courses and types of training in the elective studies program.

ADMISSION

All correspondence pertaining to the admission of an undergraduate to the University should be addressed to the Director of Admissions, Ohio University, Athens, Ohio 45701.

Students are accepted for admission to the University for the Fall Semester, the Spring Semester and, on the Athens campus, to either of the two five and one-half week terms of the Summer Session. A student planning to attend both five and one-half week Summer terms may register for both at the beginning of the first term.

A student entering the University for the first time must file:

1. Admissions application accompanied by the \$15.00 non-refundable application fee.

Information for the Prospective Student

2. A transcript of all previous high school or college work attempted. Students attending another college or university who plan to come to Ohio University for the Summer Session only must also furnish a statement from the school last attended that he is in good academic standing.

3. The required test results.

4. The medical history and physical examination report. Please note that the physical examination report must include the immunization record. Both a smallpox vaccination and tetanus immunization are required for admission. Medical forms are normally sent to students with the notification of their acceptance. A tuberculin skin test is required of all new full-time students and will be given at the Hudson Health Center after their arrival on campus. The test will be given to first term students June 12 between the hours of 8 a.m. and 4 p.m. and will be read three days later. The test will be given to second term students July 20 between 8 a.m. and 4 p.m. and will be read July 25.

A student who is entering from high school may apply for admission at any time after the completion of his junior year. Any decision of admission to the University based on a six or seven semester transcript is provisional. The student who has received a provisional admission is assured of final admission to the University if his work continues to be satisfactory. A supplementary transcript form will be sent with the provisional admission letter for submitting the final report. A final letter of admission will be sent upon receipt of the final transcript. All materials should be sent to the Director of Admissions, Ohio University, Athens, Ohio 45701.

It is important that the applicant send all entrance credentials to the Director of Admissions early enough so that he can be informed concerning his admission to the session he wishes to enter. If accepted, the applicant will be sent information which he will need for registration at the University.

ON CAMPUS RESIDENCE

The admission of a freshman on campus as a resident student is contingent upon the availability of residence facilities. A housing application and agreement form is not mailed to the student until after the Director of Housing has been informed of the applicant's provisional admission status. All undergraduate students under 21 years of age are required to live in University residence halls or University associated residence halls.

Transfer students may request housing applications through the Director of Housing only after at least a provisional admission has been granted.

SUBJECTS IN HIGH SCHOOL

Because Ohio University accepts graduates of approved high schools in Ohio, no particular pattern of high school subjects is required for admission. However, since prospective students frequently ask what subjects they should take in high school, a suggestion is offered as to a reasonable minimum distribution.

Prospective students are urged to complete elementary algebra and plane geometry in high school. Even though not required for admission, they must be completed to qualify for graduation from Ohio University. If completed at Ohio University credit is not allowed toward a degree and the courses are offered only in summer sessions.

The following distribution of subject matter meets the specific University College requirements (see University College section of the General Catalog) and prepares the student for the pursuit of any curriculum in the University:

English	3 or 4 units
Foreign language	2 units
Social sciences	2 units (One of which should be United States history and civics.)
Laboratory sciences	2 units (Biology, botany, zoology, chemistry or physics preferred. General science and senior science

do not meet the University College requirements. Prospective engineering students should take chemistry and physics.)	
Algebra	1 unit
Plane geometry	1 unit
(Prospective engineering students should also take advanced algebra, solid geometry and trigonometry.)	
Electives	4 or 5 units
Total	16 units

REQUIRED TESTS

Each new student is required to submit the results of a college ability test. Ohio residents may submit either the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Tests results. Non-Ohio residents must submit the Scholastic Aptitude Test results. Information concerning these tests may be secured at the guidance office in the local high school or at the testing agency. The test results must be submitted directly from the testing agency; scores sent by high schools will not be considered official.

The tests will develop information about the individual student and Ohio University will also use the test results for purposes of classification. The tests will also be used with other information to determine residency status.

IN STATE REQUIREMENTS

The scholastic requirements for admission and the general registration fee are higher for non-residents of Ohio than for residents of the state.

1. No student shall be considered eligible to register in the University as a resident of Ohio unless he has had bona fide domicile in the state twelve consecutive months prior to registration. One who comes into the state to attend college has a temporary residence, not a domicile.

2. No student whose domicile was outside Ohio in the year preceding his original enrollment in the University shall be considered a resident unless it can be clearly established by him that his former domicile has been abandoned and a new domicile established in Ohio and maintained for at least twelve consecutive months. Application for residence of one whose legal residence is not determined by his parents or legal guardian cannot be considered until the applicant is twenty-one years of age.
3. No student whose domicile was outside Ohio at any time after his original enrollment in the University shall be considered a resident unless he has established his domicile as stated in paragraph 2.
4. Minors: The domicile of a student who is a minor shall be considered the same as that of his parents or legal guardian, if any, regardless of emancipation. If an Ohio resident is appointed guardian of a non-resident minor, the latter shall be considered a non-resident until twelve months after the appointment.
5. Wives: A wife shall be classed as a resident student for registration purposes if her husband has had a bona fide residence in Ohio for a period of at least twelve months preceding her registration and is a resident of the state at the time of her registration.
6. Losing Ohio Classification: A student, who at the time of entrance is classified as an Ohio resident, loses his Ohio classification if his legal residence is changed to another state, but not until one year has elapsed.

APPLICANTS

APPLICANTS FROM OHIO (High School Graduates). All residents of Ohio who are graduates of approved high schools and who have not attended another college are eligible to apply for Admission to the University.

Information for the Prospective Student

A student who has been enrolled for full time study in another college or has completed 12 semester hours must apply as a Transfer Student.

Because of limited residence hall facilities at the University, only those students who give evidence of the ability to perform satisfactorily in the regular University curriculum will be granted Athens residency status. Those students whose predicted grade point average is below the satisfactory level will be admitted with commuter status. Those with commuter status will be expected to attend the University campus nearest their home. If a student's predicted grade point average is extremely low, it may be necessary for him to enter the University on Special Student status, taking a limited load until he proves himself capable of performing satisfactorily in the regular curriculum.

Since many more students who are eligible for Athens residency status may apply than the University is able to house, the chronological order of receipt of the completed application will be given special consideration when assigning students Athens residency status. Those students who apply and are admitted with Athens residency status, after all available residence halls on the Athens campus have been filled, may exercise their Athens residency status privileges at another of the University campuses. The latter will be given top priority for residency on the Athens campus when space becomes available. Ohio residents who cannot qualify for Athens residency status and who live too far from any campus of the University to commute are counselled to attend the state university campus nearest their home.

APPLICANTS FROM OUT OF STATE

(High School Graduates). Applicants who are not residents of the state of Ohio are welcome to apply for admission to Ohio University. Their admission will be based on promise of outstanding academic success. In addition to the requirements for admission of a state resident, the out-of-state resident is required to submit the test results of the

Scholastic Aptitude Test of the College Entrance Examination Board. Other tests may not be used as a substitute. The student will also be evaluated on the basis of the type of high school attended and the pattern of the subjects studied, especially the subjects which prepare him for college work. Though an interview is not required, it is strongly recommended.

TRANSFER APPLICANTS.

A student who has been enrolled for full time study in another college or has completed 12 semester hours must apply as a transfer student. He must have a point-hour ratio of 2.25 (4.0 basis), if a resident of Ohio; or a 2.5 (C+) if a non-resident of Ohio, on all hours attempted in his previous college work. He should also be eligible for good standing at Ohio University. A transcript must be submitted of his high school credits and from each college in which he has been registered, whether or not credit has been granted. Though a final decision of admission will not be granted until all college work has been completed prior to entering the University, a provisional decision of admission can be made based on all work previous to the current term. A false statement on the application for admission with reference to previous college attendance will be considered just cause for denial.

APPLICANTS FROM FOREIGN COUNTRIES.

An applicant from a foreign country makes application for admission on a special foreign student application blank. This application form is obtained by writing to the Director of Admissions, Ohio University, Athens, Ohio 45701.

No application will be considered until complete official credentials from all secondary schools, colleges, universities, normal schools, or technical schools attended have been received. These should indicate the diplomas received, if any, all subjects studied, and grades, marks, or standing achieved in

examinations. If original documents are issued in native language the original documents or certified copies thereof shall be accompanied by official translations in the English language. Three letters of recommendation should be submitted, including one from an administrative officer of the last educational institution attended and one from a teacher. An autobiographical sketch of 300 to 500 words should also be submitted.

ENGLISH CERTIFICATION. It is necessary that a student from abroad possess a degree of fluency in speaking English and a sufficiency in understanding the language that will warrant the belief that he can succeed in classroom situations where only English is used. It is necessary, therefore, that an applicant for admission provide certification to this effect.

Those seeking admission should contact Educational Testing Service, Princeton, New Jersey 08540, U.S.A. and request registration forms for the Test of English as a Foreign Language (TOEFL).

HEALTH CERTIFICATION. A statement filed by a licensed physician certifying to the state of the applicant's health and giving satisfactory evidence of smallpox vaccination and tetanus immunization must be submitted in connection with the application for admission.

The medical form is provided by Ohio University and must indicate that the applicant is:

1. Free from contagious or communicable disease.
2. Able both physically and mentally to perform satisfactorily as a full time student.
3. Sufficiently stable, emotionally, to make adjustment to an American university environment.
4. Vaccinated against smallpox.
5. Immunized against tetanus.

GRADUATE STUDENTS. The Summer Session affords many graduate students, particularly teachers and school administrators, an opportunity to engage in advanced study. An increasing number of graduate students consider it desirable to maintain the continuity of their programs of study, and have found the less crowded summer facilities especially conducive to research. In many areas it is possible to complete the requirements for a Master's degree in three full summer sessions of eleven weeks each. The graduate offerings of the summer session are enhanced by special programs of study, conferences, clinics, workshops, and visiting lecturers.

Programs of graduate study are available in all colleges, and in the Division of Physical Education. The Doctor of Philosophy degree may be earned in Chemistry, Education (elementary, administration, guidance and student personnel), Electrical Engineering, English, Fine Arts, Linguistics, Physics, Psychology, Public Address, Radio and Television, and Speech Pathology and Audiology.

Students with exceptionally strong scholastic qualifications (at least 3.0 undergraduate average or 3.25 graduate average) may apply for a scholarship. Graduate assistantships, teaching assistantships, and research assistantships are also available in the summer session. During the regular academic year assistantships with stipends of \$2,200 to \$4,200 and exemption from the general registration and laboratory fee portions of the comprehensive fee are granted to students in many areas of study.

Application blanks for admission and for applying for a scholarship or for a graduate appointment may be obtained by writing to the Dean of the Graduate College, Ohio University, Athens, Ohio 45701. For information about programs and courses write to the chairman of the graduate committee in the department of interest.

Information for the Prospective Student

SPECIAL STUDENTS. (Non-degree). A mature person (whether or not a high school graduate, and ordinarily 21 years of age or over) not planning to work toward a diploma or degree, may be accepted as a Special Non-Degree Student. Such a person must file an application for admission to the University and clear through the Admissions Office. He is permitted to carry a full class load and may take any courses for which he is qualified.

Such a student, however, must be able to qualify for admission and is not permitted to retain this special status after he has accumulated 32 semester hours of credit at Ohio University; or is within 32 semester hours of having sufficient credit for a degree. He must then make application for admission as a Regular Student and provide all the information required as an accompaniment to such an application.

A student who has not yet graduated from high school may be accepted as a Special Part-Time Student for university level work provided:

- a. He has made an outstanding high school record in general, and in some special area of study in particular.
- b. He has completed all work offered by the high school in the special area field.
- c. He has been recommended by his high school teacher in the special subject field and by the high school principal.
- d. His completion of requirements for the high school diploma is assured.

SPECIAL STUDENTS. (Transient). A student who has attended another college and who wishes to acquire credit to be transferred to the former school may be accepted

as a Special Transient Student upon presenting evidence of good standing at the school formerly attended including the accumulative grade point average plus a statement certifying that the credit will be accepted upon transfer.

REGISTRATION. Students, excepting those currently enrolled on the Athens Campus, must apply for registration well in advance of the opening of the summer session. Use the form in the center of this bulletin.

CANCELLATION OF CLASS RESERVATION. All persons reserving classes through pre-registration, May 3-13, will receive an invoice for the payment of fees on or about May 18, 1967. If this payment of fees is not made by May 29, 1967, these class reservations will be cancelled. Those persons with cancelled class reservations must register June 10, 1967, according to the instructions in the Summer Session Schedule of Classes.

CREDIT. All credit is designated in semester hours. The credit hours applicable to any given course taken in a summer term are the same as for a regular semester.

ACADEMIC LOAD. A normal academic load for a five and one-half week summer term is six semester hours. A full-time student is defined as anyone taking four or more semester hours in one term or eight semester hours if registered for the entire Summer Session.

AUDITING PRIVILEGE. At the time he is advised, a student may receive permission to audit courses. The courses must be marked "Audit" on the schedule and registration cards. The fee for auditing is the same as for credit.

SUMMER SESSION FEES

APPLICATION FILING FEE. \$15.00 for new undergraduates; \$5.00 for new graduate students. The appropriate fee must accompany each application for admission sent to the Admissions Office.

MATRICULATION FEE. This \$10.00 fee is paid upon first registration in the University as a classified student.

GENERAL REGISTRATION FEE. This fee includes all student activity, student services, and course and laboratory fees, but excludes fees for private instruction, such as music and bowling. A complete listing of fees for private instruction can be found in the course descriptions.

Students must register according to instructions contained in the insert in the center of this bulletin. Registration is for the full period of attendance, whether this be for the full eleven weeks, or for a single five and one-half week term. Students who will register only for the second five and one-half week term can register on Wednesday, July 19, from 2:00 to 3:00 p.m.

Failure to observe specified dates results in delays in obtaining registration materials and in the assessment of late penalties.

The fee assessed each student, both graduate and undergraduate, is determined from the fee schedule at initial registration. *Additional courses selected after completion of the initial registration are also assessed according to the fee schedule without reference to the initial registration.*

*UNDERGRADUATE**

Credit Hours of Registration	Resident of Ohio	Non- Resident
1	22	44
2	44	88
3	66	132
4	88	176
5	110	220
6	132	264
7	154	308
8	176	352
9	198	396
10	220	440
11	242	484
above 11	250	500

*GRADUATE**

Credit Hours of Registration	Resident of Ohio	Non- Resident
1	28	56
2	56	112
3	84	168
4	112	224
5	140	280
6	168	336
7	196	392
8	224	448
above 8	250	500

*These fees apply to single-term courses, courses extending over both summer terms, workshops offered for credit, or a combination of workshops and courses.

REFUND OF FEES. Withdrawal from a course by change order within the approved period specified in the calendar entitles a student to a 50 per cent refund if it results in a fee change.

Voluntary and official withdrawal from the University during either term entitles the student to a refund of 50 per cent of the comprehensive fee during the first week. There is no refund after this.

A student, once he has registered, must use a change order to remove or add a course. The change order form is obtained in the office of the dean of his college and must be submitted, after proper approval by the dean,

Information for the Prospective Student

to the Registrar's Office. Students should remember that they are not officially registered for or, withdrawn from a course or courses until their change order is cleared by the Registrar's Office. Failure to clear promptly invalidates the change order and results in a grade of F for a course.

GRADUATION FEE. The application fee for a baccalaureate or a graduate degree is \$15; for the Associate in Arts degree, \$7.50. Application for graduation made after the date specified in the calendar, if accepted, requires an additional fee of \$5.

INCIDENTAL FEE FOR GRADUATE ASSISTANTS — \$55 for the eleven-week Summer Session, or \$27.50 for a single term.

RESIDENCE FACILITIES

Ohio University residence facilities meet the varying needs of students. The combination of University and private ownership allows a student to maintain an environment which is conducive to realization of his full academic potential.

The Summer Session residence facilities are grouped into three classifications as they pertain to the students involved.

1. Students under twenty-one years of age
2. Graduate Students and students over twenty-one
3. Married Students

APPROVAL OF RESIDENCE FACILITIES. All supervised and unsupervised privately owned residence facilities must meet the health, safety and sanitation standards of Ohio University, the City of Athens and the Ohio Department of Health. The units are subject to periodic inspection by the Office of the University Sanitarian to ensure that standards are being maintained.

NON-DISCRIMINATION POLICY. Ohio University has a policy against discrimination based on race, religion and national origin.

This policy is observed in the admission of students to the University and in the use of all University facilities. To obtain an approved rating with the Housing Office of Ohio University, all private owners of residence facilities must also adhere to this policy.

STUDENTS UNDER TWENTY-ONE

All undergraduate students except those twenty-one years of age and over who carry four hours or more must board and room in University or associated University residence facilities during the summer term. This rule also applies to married undergraduate students under twenty-one whose husbands or wives do not reside with them in Athens. Exceptions are made for commuters or legal residents of Athens.

UNIVERSITY RESIDENCE HALLS

Rooms in all residence halls are furnished with dressers, desks, chairs, a mirror, a bed, innerspring mattresses, mattress pads and bed linens. Items such as blankets, bed spreads, towels, toilet articles and such accessories as draperies and desk lamps must be provided by the student.

Room rates per student for each five and one-half week term are \$67 for a single room and \$45 for a double room. These rates include a \$1 retaining fee for each term which is not part of the rent and is not refundable.

BOARD. Residents of all University Residence facilities are required to eat in University dining halls. The cost of board for each five and one-half week term is either \$72, which includes 21 meals, Sunday through Saturday of each week, or \$60, which includes 15 meals, Monday through Friday of each week.

REFUNDS. A full refund of the advance room payment will be given if the request for cancellation is made in writing by June 1 for the first term of Summer Session, and by

July 1 for the second term of Summer Session. After those dates a refund will be made only to those who do not register or who officially withdraw from the University, and such funds will be on the basis of 50 percent of the advance room payment, less charges for period of occupancy, if requested before the end of the first week of the term. No refunds will be made after this time.

APPLICATION. An application form may be obtained by writing to the Director of Housing. This form must be completed as directed and returned with the appropriate advance payment to the Director of Housing, Ohio University, Athens, Ohio 45701. Checks or money orders should be made payable to Ohio University. An application is accepted only if accompanied by the required advance payment. Assignments are made in order of the date of receipt of application with accompanying room deposit.

ASSOCIATED UNIVERSITY RESIDENCE HALLS

Associated University residence halls are privately-owned and managed, and operate under the same regulations as University residence halls.

BROMLEY HALL. The nine-story, co-educational air-conditioned hall accommodates 580 students and is one block from the College Green. Each bedroom floor has a leisure room, a study room, a typing room, and an ironing room. The hall also includes a language laboratory, a study laboratory, a music appreciation room and recreational facilities including an indoor swimming pool.

Room and board contracts are available for each term. Contractual arrangements are between the students or students' parents or guardians and the Director of Bromley Hall. For further information write: Director, Bromley Hall, Athens, Ohio 45701.

LAKEVIEW MANOR RESIDENCE HALLS. Two eight-story halls, Hayes Hall for men and Davis Hall for women. Three and four bedroom apartments have a living room and a

separate study area. Each apartment on the top six floors has a separate balcony. Both halls have dining facilities. For information and rates write: Mr. Ben Miller, General Manager, Lakeview Manor, Athens, Ohio 45701.

GRADUATE STUDENTS AND STUDENTS OVER TWENTY-ONE

Single upperclassmen 21 years of age and over and single graduate students have the option to live in either University residence facilities or in unsupervised approved units. These regulations also apply to married upperclassmen over 21 whose spouses do not live with them in Athens.

UNIVERSITY RESIDENCE FACILITIES. Ohio University offers special facilities to accommodate the graduate students, elementary or secondary teachers, and others who would like to live in University residence halls during the summer. To be eligible to live in one of these residence halls a Summer Session student must be a graduate student registered for graduate credit or an undergraduate at least 21 years of age.

Each of these halls will be staffed by a Residence Director from the staff of the Director of Student Residence. There will be no closing hours and there will be regular telephone service. All other regulations of University residence halls apply, including those prohibiting liquor or visitors of the opposite sex in private rooms.

Ohio University cannot guarantee that all applicants who request these special residence halls will be placed there. Each hall will be filled on the basis of date applications are received. Room and board rates will be the same as those listed in the previous section covering students under twenty-one.

Prospective Summer Session students interested in taking advantage of this residence facilities plan should apply to the Office of the Director of Housing, Ohio University, Athens, Ohio 45701.

Information for the Prospective Student

PRIVATE ROOMS. Approved unsupervised residence facilities are available to students twenty-one years of age and over, in private rooms, rooming houses and apartments. Rents for rooms in the community will vary greatly. Listings of the facilities are available in the Office of the Director of Housing.

The University requires that approved housing agreement forms be used by the student and householder. Copies of the form must be filed in the Office of the Director of Housing.

APARTMENTS. Information on apartments may be found in the following section on married students.

MARRIED STUDENTS

University apartments and privately owned University related apartments are available to married students. The privately owned apartments listed in this section are also available for unmarried students over twenty-one years of age. Apartments for the faculty are also available in these privately owned units. For students the contractual arrangements are between the students or the students' parents or guardian and the director of the apartment unit.

University-owned married students facilities include fifty-two permanent brick units on Wolfe Street adjacent to the University Golf Course. All applicants must be full-time students (four hours or more). An assignment to University married student facilities includes the obligation and responsibility to meet the terms and conditions of occupancy as stipulated in the contract.

The apartments are complete with basic furnishings including range and refrigerator, a hide-a-bed, a six drawer chest, kitchen table with four straight chairs, combination desk-dresser, double bed, two lounge chairs, and a wall mirror. Laundry rooms with coin-operated automatic machines are available to residents. Rentals per month, includ-

ing utilities, are \$70 for the studio apartment, \$85 for the one bedroom, \$95 for the bedroom and nursery, and \$110 for the bi-floor unit.

Assignment to apartments is made when available on the basis of the date of receipt of application with an accompanying security deposit of \$25.00. The deposit is refunded after the apartment is vacated, if certain conditions are met.

Since present University facilities for married students are not sufficient to meet the demand, many married students live in privately operated apartments and houses in Athens. Rents vary with the size and accommodations. The following are projects that accommodate married students, faculty and community residents:

ATHENS APARTMENTS

Manager
Route 50W
Athens, Ohio 45701
Phone: 592-1788
Rent: \$95-\$140

CARRIAGE HILL APARTMENTS

Area Development Company
c/o Rumac Recreation Center
Athens, Ohio 45701
Phone: 593-8433
Rent: \$87.50-\$120

LAKEVIEW MANOR APARTMENTS

Mrs. W. A. Smith
34 No. McKinley
Athens, Ohio 45701
Phone: 592-2301
Rent: \$110-\$230

PLAZA APARTMENTS

Mr. James Mallett
Route No. 3 East
Athens, Ohio 45701
Phone: 592-2213
Rent: \$110-\$120

For further information concerning married and single graduate housing, write to the Director of Housing, Ohio University, Athens, Ohio 45701.

FINANCIAL AIDS

Students may be assisted financially in furthering their education during the Summer Session by applying for University Upperclass Scholarships, National Defense Loans, and part-time employment. Only those students who are pursuing a full-time course of study at Ohio University during the regular academic year may apply for scholarships and National Defense Loans. Upperclass students must submit a Parents' Confidential Statement to the College Scholarship Service at least three weeks before the deadline of May 1.

Applications and additional information on student financial aids may be obtained from the Director of Student Financial Aids, Ohio University, Athens, Ohio 45701.

INCOME TAX DEDUCTIONS FOR TEACHERS

The courts have ruled that when summer session attendance is required of a teacher as a condition of reemployment, the cost of such attendance is deductible as a "necessary business expense" in reporting income for Federal income tax purposes.

It is suggested that teachers who feel that they have a legitimate basis for a summer session expense deduction consult a representative of the U.S. Bureau of Internal Revenue concerning the matter.

FINANCIAL BENEFITS FOR G.I. BILL TRAINEES

Veterans and orphans of veterans entering Ohio University for the first time and expecting government aid should report to the Veteran's Office in Ewing Hall for the completion of appropriate forms.

Public Law 87-815 (Disabled Peacetime Bill) veterans must be approved by the Training Officer who makes periodic visits to the campus. Public Law 634 students (orphans) should also report to the Veteran's Office as soon as possible after arrival.

Veterans who carry non-credit toward degree courses as part of their load may expect to receive only partial benefits.

GRADUATION REQUIREMENTS

For complete details concerning University regulations and requirements, see the *General Catalog Issue* of the *Ohio University Bulletin*.

PHYSICAL EDUCATION: Men students have a flexible requirement. The normal requirement of two semester hours of credit in service courses may be reduced by passing physical proficiency and sports tests which are offered at pre-registration periods and near the close of each summer term.

Women students are required to complete two semester hours of credit in service courses.

Exemption from the physical education requirement is made automatically by the Registrar for a graduate student, for a student who is 30 years of age or over, or for a veteran who is 25 years of age or over, provided that he has completed the requirement up to and including the semester in which he attained the required age.

RESIDENCE. In general the minimum residence requirement for a baccalaureate degree is two semesters or the equivalent in summer sessions which should total not fewer than 25 weeks with the completion of a minimum of 30 semester hours. If only the minimum requirement is met, the 25 weeks must constitute final residence.

FINAL EXAMINATIONS. All students are required to take final examinations according to announced schedules in order to receive credit. Final examinations are held during the last scheduled period of each course each term.

APPLICATION FOR GRADUATION. A candidate for graduation must make application for graduation in the Registrar's Office not later than the dates given in the University Calendar.

General Information

TIME LIMIT. The time limit for fulfilling the published requirements for a degree is five years from the date of first registration in the University. Requirements instituted subsequent to the student's initial registration are applicable at the discretion of the University.

MINIMUM STANDARD FOR GRADUATION. To meet the minimum standard for graduation from Ohio University, a student must have a point-hour ratio of 2.0 (C) on all hours attempted, but including only the final hours and points in repeated courses. This applies to his total record, and to his major or equivalent as determined by his college. For a student with transferred credit,

this rule applies to both his cumulative record, which includes transferred credits, and to his Ohio University record exclusive of transferred credits.

A student who fails to graduate because of a grade point deficiency may take with approval of his dean, up to a maximum of 6 semester hours of work in correspondence, extension, or branch campuses of Ohio University to make up his deficiency. Work may not be taken at another college to make up this deficiency.

SUMMER SESSION COMMENCEMENT. This is scheduled at the end of the second term. Attendance at graduation exercises is required of candidates in attendance the second term, unless excused.

GENERAL INFORMATION

PROFILE OF OHIO UNIVERSITY

Ohio University, chartered in 1804 by the First General Assembly of Ohio, is a symbol of America's early realization of the importance of education. The Ordinance of 1787 which created the Northwest Territory provided: "Schools and the means of education shall forever be encouraged."

Ohio University has grown from a single building to 83 principal buildings covering 738 acres. The main campus, with an enrollment of 15,000 in seven colleges and six schools, is located in Athens, a city of 17,000 in southeastern Ohio. In addition, more than 5000 students are enrolled in branch campuses at Belmont County, Chillicothe, Ironton, Lancaster, Portsmouth, and Zanesville.

Ohio University has begun an extensive building program to meet the rapidly increasing needs of students and faculty. The program includes a 25 million dollar science-engineering campus under construction, a new seven-story, six-million dollar library,

a seven-million dollar, 14,000 seat convocation center, a music building and an educational television and theatre center.

A wide variety of programs is offered to the undergraduate student. Degree colleges are Arts and Sciences, Business Administration, Engineering and Technology, Education, Fine Arts and the University College. The Graduate College offers Master's degree work in 43 areas of study and 13 doctoral programs.

The campus is located 74 miles southeast of Columbus, Ohio, the state capital, and is easily accessible on U. S. Routes 33 and 50. A University-owned airport, with a 4000 foot paved, lighted runway, is located two miles east of the campus on U. S. Route 50 east and is open to the public.

The University is accredited by the North Central Association of Colleges and Secondary Schools, and by the recognized professional accrediting associations identified with its major academic divisions. The University also holds membership in the leading state and national educational and professional associations in major areas of interest.

FACILITIES AND SERVICES

Summer Session students have full use of all University facilities and may avail themselves of all services.

UNIVERSITY LIBRARIES

The Edwin Watts Chubb Library houses the main collection of 400,000 volumes, including periodical sets and documents. The collection is shelved in the stacks to which all students have access. About 3700 periodicals are received regularly.

There are extensive resources of microfilm, microcard, and microprint. The library has a reader-printer, a microfile camera, and Xerox copiers. Fully staffed departmental libraries are maintained for the College of Education and the College of Fine Arts, and specialized collections on a less formal basis are administered in connection with the College of Business Administration, the School of Music, and the Departments of Botany, Chemistry, Geology, Physics, and Zoology.

Special collections in the Chubb Library include the valuable J. W. Morgan Collection of historical books in chemistry and other physical sciences, the University's rare book collections, and the University Archives.

LEARNING RESOURCES CENTER

The Learning Resources Center serves as a source of equipment and materials for instruction by the faculty of any University department. The Center provides operators and audio-visual equipment such as projectors, recorders and public address systems. While a small film library is maintained on campus, the center rents films for classroom use from other libraries. The center also operates a production department for making overhead transparencies, graphics and photographic slides. The staff provides consultant services regarding the acquisition and utilization of various types of classroom instructional materials. Information regarding new media and the application of technology to instruction is also available to the faculty.

STUDENT HEALTH SERVICE

The Student Health Service provides a complete outpatient clinic and a 90 bed hospital section in the Hudson Health Center. Ancillary services including X-ray, clinical laboratory, physiotherapy, and minor surgery are available in the Center. The medical staff includes seven full-time physicians and the University Psychiatrist, while the nursing staff is comprised of 25 registered nurses. Complete dental care is available through the fully-equipped modern dental facility located in the Health Center.

The Student Health Program is designed to be a comprehensive program for the prevention and treatment of illness and accidental injuries. An active Environmental Health Program, conducted by University Sanitarians, is supervised by the Director of Environmental Health. The summer session fee entitles the student to use of all facilities of the Hudson Health Center. Emergency service is provided 24 hours a day.

Major surgery and certain special diagnostic procedures which cannot be performed at the Center are provided by referral from a staff physician. Costs up to \$350 resulting from referrals required because of illness or injuries occurring in Athens will be paid by the University Mutual Health Fund.

CENTER FOR PSYCHOLOGICAL SERVICES

Professional counseling services are provided for undergraduate and graduate students. Confidential counseling is available for all types of personal adjustment problems including those of an emotional, marital, or social nature. Students who are having academic difficulties may receive help in understanding the causes of their difficulties. Students who are uncertain about their educational and career objectives can obtain help in appraising their aptitudes, interests, performances, and personal characteristics so that they can make more appropriate and

General Information

satisfying decisions. An extensive file of information is available about occupations and career areas including information about the duties, present and future opportunities, and income related to particular occupations.

Students who wish to obtain confidential consultations about academic, career, and personal adjustment concerns can do so by contacting the receptionist at McKee House on University Terrace or by calling 594-6081.

LABORATORY SCHOOLS

During the first term of the Summer Session, the University will maintain school laboratory facilities at the College of Education Laboratory School. Educ. 274, Student Teaching for Advanced Students will be offered for experienced teachers. Educ. 274 is open to candidates for August graduation who have completed a minimum of three years of satisfactory teaching experience. Permission for admission must be secured from the Director of Student Teaching.

The summer program in the elementary school is devoted entirely to an enrichment program at all levels, kindergarten through sixth, and children are in attendance in the morning only. The Summer Session is for children who have been enrolled in our school during the year.

PLACEMENT SERVICE

The Placement Service affords students, former students, and graduates of the University assistance in securing positions in such fields as college teaching, business, and industry. A registration fee of \$2 entitles an applicant to this service while enrolled as a senior student in the University and for one year after graduation. After the one-year period, an additional charge of \$2 a year is made for each year in which assistance is requested.

Students enrolled in the Summer Session who have already registered with the Placement Service are not required to pay an

additional fee for service through the summer. The Placement Service requires students to register with them in the spring prior to the first quarter of their senior year.

The Placement Service located in Berry Hall maintains and promotes all possible connections with prospective employers for the benefit of persons seeking initial placement and for those looking toward advancement to better positions. Summer positions and work in Germany are available through the Internship Office, an integral part of the Placement Office.

JOHN CALHOUN BAKER UNIVERSITY CENTER

Baker Center provides facilities to satisfy the cultural, social, and recreational needs of students. The building contains three beautiful lounges, a large ballroom, dining rooms, a cafeteria, a snack bar, a record listening room, television, conference rooms, and recreational areas for bowling, billiards, table tennis, and cards.

On the fourth floor are the offices for six student organizations, Center Program Board, Student Cabinet, Women's Interdormitory Council, Men's Interdormitory Council, Panhellenic Council and Interfraternity Council.

The building also houses the offices for the Vice-President for Development, Alumni Association, Ohio University Fund, Public Information and University Publications.

RECREATIONAL AND CULTURAL ACTIVITIES

A variety of recreational facilities and summer entertainment is available to summer session students.

The Ohio University Summer Concert Band presents a series of four evening concerts "Under the Elms" on the College Green at the twilight hour. Students enrolled in the Summer Music Clinic will present a separate series of three evening concerts.

As part of the summer entertainment program, motion picture productions are shown twice each week in Memorial Auditorium. The admission fee for summer session students and workshop participants is 25 cents.

Other campus recreational facilities include the natatorium, the tennis courts, the University golf course adjacent to the campus, and the Brandon T. Grover Physical Education Center.

A new addition to the community's recreational facilities is the Lakeview Community Center, located in the Lakeview Manor Apartments complex. The Center, which contains 16 bowling lanes, and a dining room and snack bar, is owned and operated by Rumac, Inc.

Located near Athens are four of the state's most scenic areas—Dow Lake, east of Athens; Lake Hope, in the heart of the Zaleski State Forest; Burr Oak Lake near Glouster, Ohio, and the caves and gorges of the Hocking State Parks.

The 160-acre Dow Lake, within a 2,000-acre state park, is used for outdoor education, group camping, aquatics, boating, and for research projects in conservation and natural resources.

UNIVERSITY CONVOCATIONS

One major all-campus convocation is scheduled for each summer term. Such a convocation ordinarily presents an authoritative speaker or an artistic attraction of distinction. In addition, the University presents concerts or dramatic performances each term by artists or groups of national prominence.

SUMMER THEATRE PRODUCTIONS

The Ohio Valley Summer Theatre, a joint project of Ohio University and the community of Athens, will present its seventeenth season of fine plays. Students enrolled in the Summer Theatre Workshop form the nucleus of the acting company. The plays are produced and directed by members of the

staff of the School of Dramatic Art and Speech. Summer Session students may purchase single admission tickets for 75 cents upon presentation of coupons which are issued to full-time students at Registration. These coupons are underwritten by the Summer Activity Fund, and represent one of the privileges made possible by the student general fee. The regular single admission is \$1.50. The box office is located in the Speech Building on College Street.

THE UNIVERSITY COLLEGE

The University College is especially concerned with helping the freshman make the transition from high school to college, and with making his freshman year a good educational foundation for later college work. Since all freshman enroll in the University College, it is concerned primarily with the problems of first year students. Help is provided in selection of a schedule of classes, developing efficient methods of study, planning an educational program and choosing a field of specialization.

Each student meets with his assigned faculty counselor. This counselor will help in preparing a schedule of classes, and each student is expected to confer with him at various times during the Summer Session. These conferences are arranged by the student for help with such problems as he may wish to discuss.

The educational program of the University College is organized to meet individual students. Required courses are determined on the basis of the high school record and the educational objective of each student. The work of the freshman year is planned to provide a basic general education and a preparation for later specialization. Specific courses which are important for professional training are available.

The University College also offers the Associate in Arts degree for the completion of two years of college work. This program includes certain general education courses and a selection of career courses. This meets

General Information

the needs of those students who may not wish to devote four years to their college work. Attending college during Summer Sessions will shorten the time for completing the requirements for a four-year degree or the two-year Associate in Arts degree.

Students interested in engineering should consider enrolling in the summer school to complete required mathematics below the level of Mathematics 16. Mathematics 3 and 5 are non-credit for graduation for engineers and the student will be delayed in entering the regular sophomore engineering program if he must begin his college mathematics at the level of Mathematics 3 or 5. The student is ready for Mathematics 16 provided he has completed 4 years of high school mathematics, including trigonometry, with grades of at least "B" and has scored at least an 80 percentile rank on the ACT mathematics test.

Students who are deficient in English and mathematics are advised to complete these studies during the summer and before assuming the full load of a regular semester's work. No student is advanced to a degree college unless he has completed high school algebra and plane geometry or Mathematics 1 and Mathematics 2. These courses are available at Ohio University only during the summer.

All new students will report Saturday, June tenth, for testing and counseling prior to registration. Students attending the Summer Session will complete their fall schedule of classes through a counseling appointment during the first summer term, prior to the regular University College counseling program.

SPECIAL PROGRAMS

HONORS COLLEGE

The Ohio University Honors College offers superior students an opportunity to enroll in honors courses designed to provide flexibility,

depth study and a scholarly environment which will promote intellectual productivity in the various academic disciplines. The program is available to students in all the degree granting colleges of the University. Students in the Honors College are encouraged to participate in more dynamic types of learning experiences and to strive for excellence in the greatest possible depth and perception in their areas of interest.

A student in the Honors College can pursue his program throughout the calendar year. During the summer he can participate in independent study, and initiate or continue the basic research fundamental to the honors thesis required of all students in the College.

The Departmental Honors Program designed for exceptional students of junior and senior standing is offered throughout the year. This program extends to qualified students the opportunity for independent study culminating with an honors research paper during the senior year of study.

Students who complete requirements of programs under the auspices of the Honors College are awarded special recognition at the graduation exercises at which their baccalaureate degree is conferred.

Information concerning requirements for admission to the Honors College may be obtained by contacting the Director of the Honors College, Ohio University, Athens, Ohio, 45701.

THE OHIO FELLOWS PROGRAM

The Ohio Fellows Program is an experimental four-year program for undergraduate men and women of superior ability, creativity and interest in public affairs. It is concerned first with the early identification and selection of young men and women who may attain positions of substantial responsibility after graduation. Secondly, through a four-year supplemental program, coordinated with regular University requirements, an effort is made to develop the individual's attitudes, interests, and problem-solving abilities which may enable the Fellow to respond

more effectively to opportunities for service and leadership in a variety of organizational settings.

As presently designed, the supplementary program includes: (1) the opportunity to meet in small groups with distinguished visitors to the campus, (2) special discussion seminars aimed at a broad range of domestic and international problems, (3) independent reading and discussion, (4) field trips designed to expose Fellows to men and women actually confronting problems of goal-setting and decision-making, and (5) internships in business, government and education between the junior and senior year.

All freshmen and sophomore men and women are eligible to apply for admission to the program. Admission to this highly-selective program is based on a broad range of cognitive, non-cognitive and biographical criteria of which academic performance and aptitude scores are not necessarily the most influential in determining the final selection.

While the most intensive emphasis is placed upon the fall, winter and spring

quarters, the program continues on an informal basis during the summer quarter. Applications are welcome at any time during the year. Interested students should apply to the Ohio Fellows Program Director, Ohio University, Athens 45701.

CENTER FOR INTERNATIONAL STUDIES

The Center for International Studies provides administrative support for research, courses, and degree programs in foreign affairs, with particular emphasis on political, social, and economic development in Africa. The Center encourages undergraduate and graduate students at the University to consider careers in foreign affairs, encompassing policy positions in national governments, international organizations, and private agencies, as well as teaching and research. The Center also offers consulting services to government and private organizations concerned with international relations.

Offices are located in McGuffey Hall.

WORKSHOPS, CONFERENCES AND INSTITUTES

During the summer of 1967, Ohio University will offer a number of workshops, institutes, and other special events. Some will be for high school students. These special events range from one day to ten weeks in duration. They give participants an opportunity to work intensively at one project or in one area of interest. Some of the workshops designed for student participation will carry the possibility of University credit, but students should ascertain whether the credit earned in the particular workshop in which they enroll is applicable to the program they are carrying. A graduate student needs to be sure that the credit will be approved by his advisor and the Dean of the Graduate College.

Most workshops, whether or not they offer

the possibility of credit, will have a *basic inclusive fee* that will be assessed each participant. The *registration for credit fee* will be the regular summer term fee and be *in addition to the basic inclusive fee*. (See FEES, page 16)

Students desiring undergraduate credit or registering as auditors in workshops will register on a simplified set of registration cards without the formality of obtaining an adviser's signature.

A student not previously registered at Ohio University will be admitted to a workshop by the Registrar as "Special Student, No Credits on File."

Students desiring graduate credit must be admitted to the Graduate College *three weeks prior to registration*.

Workshops, Conferences, and Institutes

CALENDAR OF WORKSHOPS, CONFERENCES AND INSTITUTES

FOR COLLEGE STUDENTS, ELEMENTARY OR SECONDARY
TEACHERS AND STAFF, AND OTHER ADULTS

Ohio School of Banking	June 4-9
Housemothers' Workshop	June 12-18
Ohio Valley Summer Theatre	June 12-August 20
Summer Speech and Hearing Clinic	June 12-August 26
Workshop for Teachers of High School English	June 14-16
Instructional Leadership Conference	June 18-21
Ohio Workshop on Economic Education	June 19-July 12
The Monomoy Theatre	June 24-August 28
Fifth Annual Alumni College	July 9-15
Ohio Bookmen's Club Exhibit	July 13-14
Administration and Supervision of School Transportation	July 24-28
Elementary Teachers' Music Workshop	(1968)
Physical Education Workshop for Elementary School Teachers	August 7-11
Institute for Credit Union Personnel	August 6-12

FOR HIGH SCHOOL STUDENTS

Art Workshop	June 18-July 1
Music Clinic-Workshop	June 18-July 1
Forensics Summer Workshop	June 18-July 1
Workshop on High School Publications	June 18-24
Science Research Workshop	June 25-August 19

DESCRIPTIONS OF PROGRAMS

OHIO SCHOOL OF BANKING

June 4-9

The Ohio School of Banking is sponsored by the Ohio Bankers Association. Attendance is limited to the officers and employees of member banks of the Association. The subjects covered by first-year students include Bank Operations, Investments, Bank Loans, Money and Banking, Management of Bank Funds, and Bank Law. The subjects covered by second-year students include Bank Operations, Commercial and Consumer Loans, and

Public Relations. The fee includes board, room and study materials.

For further information write to College of Business Administration, Ohio University, Athens, Ohio 45701, or to the Ohio Bankers Association, Columbus, Ohio.

HOUSEMOTHERS' WORKSHOP

June 11-17

For information concerning the Housemothers' Workshop, write to Miss Margaret Deppen, Associate Dean of Students, Ohio University, Athens, Ohio 45701.

OHIO VALLEY SUMMER THEATRE

June 12-August 20

The Ohio Valley Summer Theatre, now in its seventeenth season, is a joint University-community operation controlled by a Board of Directors composed of faculty and townspeople. Each summer, beginning the second week of the Summer Session, it produces several full-length productions in the air-conditioned theatre in the Speech Building. The weekly schedule provides four performances, Thursday through Sunday nights.

Most of the roles and the majority of the production work are done by a student company of 25-30 members, supplemented by experienced townspeople. Students desiring to be members of the regular company must apply for permission to enroll for three to six credits in Dramatic Art 347 or, for graduates, Dramatic Art 447. Assistantships sufficient to cover room and board in University facilities are available to a limited number of exceptionally well qualified applicants. Requests for application forms or further information should be addressed to the Ohio Valley Summer Theatre, in care of the School of Dramatic Art and Speech.

Students who are not members of the regular company may earn one to three credits in Dramatic Art 147. There will also be limited opportunity for other students to try out for roles or to volunteer for service on production crews. Such students are invited to make inquiry to Dr. John A. Walker or Mr. Robert L. Winters at the theatre upon arrival on campus.

**SUMMER SPEECH AND
HEARING CLINIC**

June 12-August 26

A special clinic for children with speech and hearing problems is sponsored by the School of Dramatic Art and Speech. The clinic will provide opportunities for observation and clinical practice for students enrolled in courses in speech pathology and audiology. Therapy experience with speech handicapped retarded children will also be available in a nearby facility.

Remedial speech training is available in both terms of the Summer Session for regularly enrolled University students. Students interested either in course work in speech pathology and audiology or remedial training should contact Dr. A. C. LaFollette, Chairman, Speech Pathology, Audiology and Speech Science, Ohio University, Athens, Ohio 45701.

**WORKSHOP FOR TEACHERS
OF HIGH SCHOOL ENGLISH**

June 14-16

Those persons desiring information contact Miss Lurene Brown, English Department, Ohio University, Athens, Ohio 45701.

**INSTRUCTIONAL LEADERSHIP
CONFERENCE**

June 18-21

Theme: Team Teaching and the Nongraded School, K-12

A conference for team leaders, team teachers, supervisors, curriculum directors, and elementary and secondary school principals and others interested in current instructional problems. For future information concerning the conference theme and registration write to Leadership Conference, Center for Educational Research and Service, Ohio University, Athens, Ohio 45701.

**OHIO WORKSHOP ON
ECONOMIC EDUCATION**

June 19-July 12

The 16th annual Ohio Workshop on Economic Education will be held under the joint sponsorship of the Ohio Council on Economic Education and Ohio University, with cooperation of the national Joint Council on Economic Education.

The 1967 program emphasis will focus on the American economic system, the principles and problems of this and competitive systems, and the attitudes and values derived by intelligent and active participation in the economy by individuals and groups. Topics include economic resources, the market system, technological change, labor, agriculture, poverty, business enterprise, the

Workshops, Conferences, and Institutes

corporation, international trade, government finance, money and banking, consumer decisions in our culture and the methods of analysis and decision making in economic problems. Special attention will be given to recent developments in economic education in elementary and secondary schools. Presentations will be made by university economists and educators, labor, agriculture, business and government leaders, and curriculum specialists. Group discussions, readings and an extensive look at the literature and materials of economic education will be used.

The workshop will meet only in afternoon sessions plus a few luncheons. Mornings will be available for independent study, individual and team project work, or for enrollment in another summer session course.

Participants desiring university credit will enroll for Education 358. If graduate credit is desired, application for admission to the Graduate College must be completed by May 24. Scholarships covering study materials, special luncheons, and reimbursement of tuition will be granted to a limited number of teachers from Ohio school systems. Special consideration will be given to teams of teachers who desire to develop curriculum, write teachers guides or teaching units. (Provision for additional university credit may be made for special research and/or curriculum study and development.)

Requests for additional information or pre-enrollment should be addressed to: Ohio Council on Economic Education, Copeland Hall, Ohio University, Athens, Ohio 45701.

THE MONOMOY THEATRE

June 24-August 28

The Monomoy Theatre at Chatham, Massachusetts, on Cape Cod, is operated by the Ohio University School of Dramatic Art and Speech as a laboratory-showcase theatre for advanced undergraduate students and graduate students.

Located in the center of an active summer theatre district, Monomoy produces eight plays in eight weeks.

Approximately twenty students will be accepted for enrollment in Dramatic Art courses in acting and speech training for from three to eight hours of credit. Students desiring graduate credit must apply for admission to the Graduate College by May 24. All members of the company must be registered at Ohio University for the first summer term.

Students live on the theatre premises and devote full time to production activities. Opportunity is provided for those whose interests are specialized in such areas as acting, scene design, costuming, light design, promotion, and publicity. Miss Kathleen Stafford of the Bristol Old Vic Theatre School will be in charge of voice training. Board-and-room scholarships are available for qualified students.

For further information, write to Christopher Lane, Director, Monomoy Theatre, Ohio University, Athens, Ohio 45701.

FIFTH ANNUAL ALUMNI COLLEGE *July 9-15*

The 1967 Alumni College, a one-week session, is a program in continuing education originated by the Alumni Association with the cooperation of Ohio University. Participants study in classroom situations directed by University faculty.

Supplementing classroom work will be afternoon recreation in golf, bowling and tennis, with evenings reserved for group discussions and guest lecturers.

For Alumni College information, write to the Alumni Association, Baker Center, Room 332, Ohio University, Athens, Ohio 45701.

OHIO BOOKMEN'S CLUB EXHIBIT *July 13-14*

Representatives of the Ohio Bookmen's Club will be on campus to display textbooks, illustrative materials, and other types of supplies and materials. The exhibit will be held in the College of Education Building.

**ADMINISTRATION AND SUPERVISION
OF SCHOOL TRANSPORTATION**

July 24-28

Ohio University and the Transportation Division of the Department of Education of the State of Ohio are sponsoring a training program for supervisors of transportation of school districts. The program is designed for school officials who have the responsibility for pupil transportation.

Topics covered include selection, training, and supervision of bus drivers, specifications for supervision of the servicing and maintenance of buses, route scheduling, pupil control, public relations, insurance problems of transportation, and school bus safety.

One hour of graduate credit may be earned by those who qualify and meet the workshop requirements. Application for admission to the Graduate College must be completed by July 1, 1967.

For additional information write to the Center for Educational Research and Service, Ohio University, Athens, Ohio 45701, or to the Supervisor of Transportation, Department of Education, State of Ohio, Columbus, Ohio 45701.

**ELEMENTARY TEACHERS'
MUSIC WORKSHOP**

The Music Workshop for elementary teachers will be resumed in the Summer of 1968. There will be no Elementary Teachers' Music Workshop in the 1967 Summer Session.

If you wish your name to be put on a mailing list to receive the announcement of the 1968 Workshop, please send your name and address to Dr. Martha H. Wurtz, School of Music, Ohio University, Athens, Ohio 45701.

**PHYSICAL EDUCATION WORKSHOP FOR
ELEMENTARY SCHOOL TEACHERS**

August 7-11

This workshop is designed for Elementary School Classroom and Physical Education Teachers. It should also be most informative and beneficial for elementary school supervisors.

The teaching staff, which includes well-known specialists, is assisted by the Ohio University Physical Education faculty.

One semester hour of credit is available. The course number is P.E. 271. This hour of credit can be taken as elective credit or can be substituted for the required course P.E. 270, "The Teaching of Physical Education."

For application blanks and further information concerning the workshop, write David J. Jacoby, Division of Physical Education and Intercollegiate Athletics, Ohio University, Athens, Ohio 45701. The deadline for receipt of applications is Friday, July 28.

**INSTITUTE FOR CREDIT
UNION PERSONNEL**

August 6-12

For information concerning the Institute for Credit Union Personnel, write to Prof. Harry B. Crewson, Ohio University, Athens, Ohio 45701.

**THE SUMMER ART WORKSHOP
FOR HIGH SCHOOL STUDENTS**

June 18-July 1

This workshop should be of special interest to those high school students who have demonstrable talent in art and who would consider choosing to develop this aptitude into a career potential.

The summer art workshop will serve to:

1. Recognize and encourage pre-college art students.
2. Provide a meeting ground where high school art students will receive the stimulus of mutually-shared interests.
3. Broaden the student's comprehension of the wide range of vocational opportunities included within the general field of art.
4. Help the student to determine his expectancy of success should he elect to pursue a university degree in art.
5. Acquaint the talented student with Ohio University's art curriculum and faculty.

OHIO UNIVERSITY, Athens, Ohio 45701

APPLICATION FOR RE-ENROLLMENT IN THE SUMMER SESSION 1967

This form is for use only by undergraduate students previously registered at Ohio University—Athens Campus or Branch Campus. Students currently enrolled on the Athens campus *DO NOT* use this form; instead report to the Office of the Registrar, Ewing Hall, between April 3-15, 1967, and declare intent to attend the 1967 Summer Session.

If you wish to pre-register for the 1967 Summer Session, return this form to the Office of the Registrar prior to April 15, 1967. Upon receipt of this form and verification of your eligibility to register, you will receive instructions for completing registration.

NOTE: DO NOT use this form if:

1. Currently enrolled on the Athens campus. (Report in person your intent to enroll at the Office of the Registrar, April 3-15, 1967.)
2. Freshman entering directly from high school. (Apply to Director of Admissions)
3. New student entering Graduate College. (Apply to Dean, Graduate College.)
4. Undergraduate College student never before registered at Ohio University Athens Campus or Branch Campus. (Apply to Director, Office of Admissions.)

Name _____	Last	First	Middle	Social Security No. _____
Home Address _____	Street or RFD			City _____ County _____ State _____ Zip Code _____
Name of Parent or Guardian _____				
Address (If different from your Home Address) _____				
Birth Date _____	Day	Mo	Yr	Birth Place _____ City _____ State _____
1. Have you ever attended Ohio University before? No _____ Yes _____				

A. WHERE: _____ B. WHEN: _____

2. Have you attended another institution since your last enrollment at Ohio University? Yes _____ No _____
If yes:

A. WHERE: _____ B. WHEN: _____

C. How many hours attempted at each school? _____

D. What was your accumulative average at the other institution(s)? _____

E. Were you dismissed? Yes _____ No _____ If yes, when? _____

3. On which Ohio University campus do you wish to enroll?
Which Summer 1967 session? (circle one) Both Terms First Term Only Second Term Only

4. Do you plan to continue at Ohio University in the Fall Quarter? Yes _____ No _____ If yes, which campus?

I certify to the best of my knowledge the information above is true.

Signature _____ Date _____

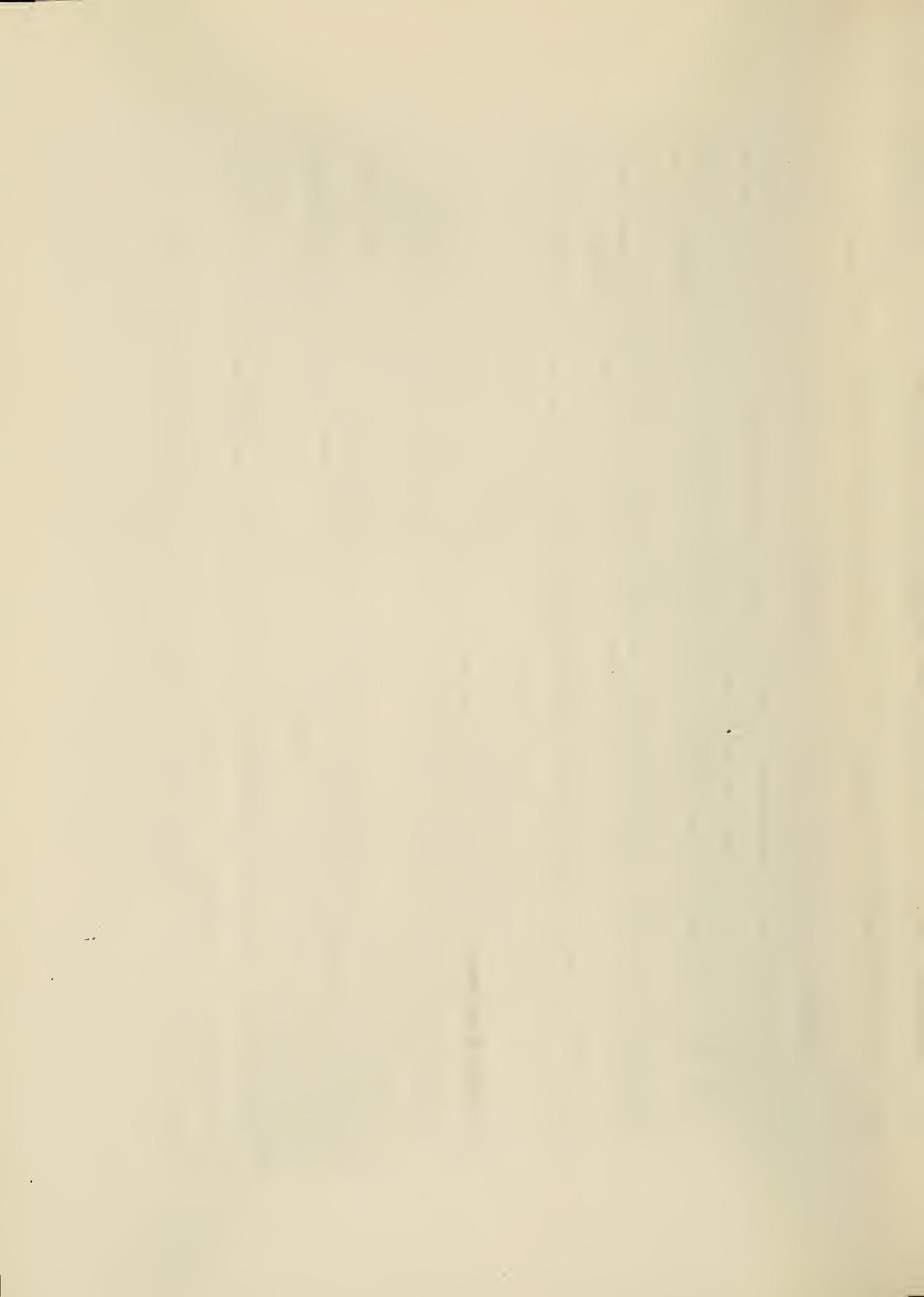
STUDENT: DO NOT WRITE BELOW THIS LINE

FOR OFFICE USE ONLY

Hours Attempted: _____ Last Enrolled: _____ Resident: _____

Hours Earned: _____ College: _____ Degree: _____ Matriculation Fee: _____

Points: _____ Standing: _____ H.S. Record: _____



Workshops, Conferences, and Institutes

We are proud of the thoroughness of our program and the reputation of our faculty. We would invite the prospective college student to consider Ohio University in making his choice among schools.

For further information, write to Mr. Clifford T. McCarthy, School of Painting and Allied Arts, Ohio University, Athens, Ohio 45701.

MUSIC CLINIC-WORKSHOP

June 18-July 1

This workshop in band, chorus, and orchestra is for boys and girls between the ages of 14 and 19 interested in music, and for the professional stimulation and growth of prospective and in-service music teachers.

A staff of outstanding guest conductors has been secured to direct the musical units.

For the music teacher there will be a variety of musical experiences including the opportunity to follow the development of three well-balanced bands, an orchestra and chorus, and daily clinic and workshop sessions where all phases of music teaching and everyday problems of music instruction will be discussed by nationally recognized music education authorities.

The all-inclusive fee for the two weeks is \$74. This amount includes a workshop fee of \$28 and a charge of \$46 for room and board in University residence halls. In-service music directors may apply for assistantships which will cover the all-inclusive fee of \$74.

One hour of University credit may be secured by teachers who register for credit in either the band, orchestra, or chorus clinic. The registration fee is \$40, unless the registration is part of a regular summer load for which the fee has been paid. No credit will be allowed to high school students. Students who desire graduate credit for the Music Clinic-Workshop must submit the application for admission to the Graduate College prior to May 22.

Address inquiries to Prof. Charles Minelli,

School of Music, Ohio University, Athens, Ohio 45701.

Applications and fees are to be mailed to the Office of the Treasurer as soon as possible and not later than June 10. Checks should be made payable to Ohio University.

FORENSICS SUMMER WORKSHOP

June 18-July 1

This workshop is sponsored by the School of Dramatic Art and Speech for high school students of freshman, sophomore, junior, or senior rank.

Emphasis will be placed on an analysis of the high school debate proposition for the 1967-68 season, preparation of a bibliography, study and evaluation of evidence, construction of the brief, and formal debate practice. Opportunities will also be provided for practice in extemporaneous speaking, oratory, and oral interpretation.

The total fee for the workshop, including room and board in University residence halls, is \$75. Applications and fees are to be mailed to the Office of the Cashier as soon as possible and not later than June 1. Checks are to be made payable to Ohio University.

For further information, write to Mr. Ted J. Foster, Coordinator, Forensic Workshop, Ohio University, Athens, Ohio 45701.

WORKSHOP ON HIGH SCHOOL PUBLICATIONS

June 18-24

Designed for high school students and advisors, this workshop will include nine major areas: (1) regular letterpress newspapers, (2) mimeographed newspapers, (3) offset newspapers, (4) business phases of yearbooks, (5) business phases of newspapers, (6) editing yearbooks, (7) photography, (8) yearbook advisors, (9) newspaper advisors.

Special clinics will be held for industrial editing and advertising.

More than fifty staff members, selected for their state and national recognition as high school journalism authorities, will teach in the workshop, which is conducted by the

School of Journalism. Consultants and specialists in printing, engraving, cartooning, advertising, radio-television, art, and industrial editing will be available for advice and instruction.

High school advisors, by being admitted to Ohio University, may obtain University credit in "Supervising School and College Publications," by attending the first summer term at Ohio University, June 12-July 18. Students enrolled in this course, Journalism 378, may receive 3 hours' credit on the graduate or undergraduate level. They will be able to participate in the week of workshopping. Those desiring graduate credit must have completed their application for admission to the Graduate College by May 24.

Workshoppers are invited to bring copies of their newspapers and yearbooks for analysis and criticism by the staff and consultants. If requested, the School of Journalism staff will provide written critiques of these publications.

On "Commencement" night, June 23, all students and advisors will receive graduation diplomas for faithful attendance and participation. A banquet will precede and a graduation dance will follow the commencement program.

Laboratory fees and board and room charges are payable in advance. Advisors who enroll for University credit during the first five and one-half weeks will pay the customary University fees and charges.

Requests for information should be sent to J. W. Click, Publications Workshop Director, Ohio University, Athens, Ohio 45701.

Reservations are made only through the Office of the Treasurer, Ohio University, Athens, Ohio 45701. All checks should be made payable to Ohio University and mailed

to the Office of the Treasurer of Ohio University as soon as possible and not later than June 10.

SCIENCE RESEARCH WORKSHOP
SPONSORED BY OHIO UNIVERSITY
IN COOPERATION WITH THE
NATIONAL SCIENCE FOUNDATION

June 25-August 19

Applications will be considered from young men and women who will have completed the eleventh grade in the spring of 1967 and who have shown outstanding ability and interest in science and mathematics.

The workshop will be operated with a staff of fifteen Ohio University professors and fifteen Ph.D. or Master's candidates.

Each participant will be a junior associate of a research team, and will spend a minimum of thirty hours per week in the research laboratories of the University under the direction of a staff member engaged in an active research program in one of the following fields: (1) Physics, (2) Chemistry, (3) Biological Science, (4) Electrical Engineering. In conjunction with the research the student is doing, he will receive special lectures on selected topics by the research staff in his selected field of study, and will attend and take part in seminars in his field. He will also attend lectures by guest lecturers in associated fields.

To be considered, properly completed applications must be postmarked by midnight, April 1, 1967. All applications postmarked before this deadline will receive equal consideration.

For application forms and further information write to: Professor James T. Shipman, Director, Science Research Workshop, Ohio University, Athens, Ohio 45701.

COURSES OF INSTRUCTION

Classes in the Summer Session are held five days a week, Monday through Friday. Class periods are 90 minutes in length, with ten-minute intervals between. The schedule begins at 7:00 and continues with classes at 8:40, 10:20, 12:00, 1:40, and 3:20.

Normally, a class carrying three semester hours of credit meets daily, Monday through Friday, for 90 minutes; a class carrying two hours of credit meets daily, Monday through Friday, for 60 minutes; and a class carrying one hour of credit, on Tuesday and Thursday, for 90 minutes.

In the list of offerings a typical title line contains the following information: (1) course number, (2) course title, (3) semester hours of credit, (4) hour(s) and days of the week on which the class meets (see note below), and (5) the Prerequisite. "Arranged" means that the time of meeting is arranged in a conference between instructor and student.

In a course carrying variable credit the credits may be expressed thus, (1 to 4), indicating that one hour is the minimum and four hours the maximum amount of credit allowed for the course in one summer term.

The catalog number indicates the student classification for which the course is designed. The numbers are grouped as follows: 1 to 99, for freshmen; 100 to 199, for undergraduates above freshman level; 200 to 299, for advanced undergraduates; 300 to 399, for advanced undergraduates and Graduate College students; 400 to 499 for Graduate College students exclusively and 500 to 599 for post-masters and doctoral students exclusively.

A Schedule of Classes giving, in addition to the information below, the meeting places of classes may be obtained from the Registrar.

Unless otherwise indicated, courses meet each day, Monday through Friday, at the hours shown.

Some 4 and 5 hour courses will continue for both summer terms (11 weeks). This is indicated following the course title.

NOTE

*For a detailed description of courses being offered, write The Office of the Summer Session, Cutler Hall, Ohio University and request a copy of the University Bulletin General Catalog Issue.

ACCOUNTING
(First Term)

101 **MANAGERIAL ACCOUNTING (3)**
8:40 Prereq., Ec. 12 or 102, or with Ec. 12 or 102.

125 **INTERMEDIATE ACCOUNTING (3)**
10:20 Prereq., 102, 76.

175 **COST ACCOUNTING (3)**
8:40 Prereq., 125, 76.

305 **ADVANCED ACCOUNTING (3)**
10:20 Prereq., 126.

381 **RESEARCH IN ACCOUNTING (1 to 3)**
Arr. Prereq., 305, 324, and permission.

495 **THESIS (as recommended by department)**
Arr. Prereq., permission.

499 **INTERNSHIP (2 to 4)**
Arr. Six months of acceptable accounting work experience. Prereq., permission.

(Second Term)

102 **MANAGERIAL ACCOUNTING (3)**
8:40 Prereq., 101.

126 **INTERMEDIATE ACCOUNTING (3)**
10:20 Prereq., 125.

381 **RESEARCH IN ACCOUNTING (1 to 3)**
Arr. Prereq., 305, 324, and permission.

495 **THESIS (as recommended by department)**
Arr. Prereq., permission.

499 **INTERNSHIP (2 to 4)**
Arr. Prereq., permission. See description, First term.

ARCHAEOLOGY
(First Term)

103 **INTRODUCTION TO ARCHAEOLOGY - ROME (3)**
1:40 Methods, types, and techniques of archaeological work and excavation, with emphasis on Roman sites.

ARCHAEOLOGY
(Second Term)

103 **INTRODUCTION TO ARCHAEOLOGY - ROME (3)**
1:40

ARCHITECTURE
(First Term and Eleven-Week Courses)

Fine Arts

255 or 256 **JUNIOR DESIGN (Eleven Week Course) (5)**
10:20-4:30 Prereq., 112. 22 studio hrs.

301 **PROBLEMS IN ARCHITECTURE (3)**
10:20 Prereq., junior and senior majors.

376 **MODERN ARCHITECTURE (3)**
Field Trip Seminar to Europe. Permission. FIRST TERM. June 10-July 1.

385 or 386 **SENIOR DESIGN (Eleven Week Course) (5)**
10:20-4:30 A continuation of Arch. 256. 22 studio hours. Prereq., 256, 279, 282, 283.

395 **ADVANCED DESIGN (Eleven Week Course) (5)**
10:20-4:30 Continuation of 386. 22 studio hours.

(Second Term)

301 **PROBLEMS IN ARCHITECTURE (3)**
10:20 Prereq., junior and senior majors.

396 **BACHELOR OF ARCHITECTURE THESIS (7)**

ART

(First Term)

1 **DRAWING & DESIGN (3)**
8:40-11:10 Emphasis on the inseparability of drawing and design. Required of freshman art students.

Courses of Instruction

3	ELEMENTARY DESIGN FOR TEACHERS (2) 1:40-3:20 For students major in elementary education.	431	SCULPTURE (3-6) Arr. Maximum credit, 12 hours. Prereq., 331, permission.
21	ELEMENTARY SCULPTURE (2) 1:40-3:20 Required for freshman art students.	495	THESIS (1-6) Arr. (As recommended by department.) Prereq., permission.
105	PAINTING (2-3) 8:40-11:10 Prereq., 101 or permission.	496	STUDIO THESIS (2-4) Arr. Prereq., permission.
115	CERAMICS (2-3) 8:40-11:10 Introduction to production processes. Prereq., 101 or permission.	ART (Second Term)	
123	JEWELRY AND ENAMELING (2) 1:40-3:20 Original designs executed in silver and copper. Maximum credit 6 hours. Prereq., 2 or equiv.	2	DRAWING & DESIGN (3) 8:40-11:10 Required for freshman art students.
205	PAINTING (2) 8:40-11:10 Basic techniques and practices in oil painting. Maximum credit 6 hours. Prereq., 105 or equiv.	105	PAINTING (2-3) 8:40-11:10 Prereq., 101 or permission.
215	CERAMICS (3) 8:40-11:10 Wheel throwing process and decorative techniques. Prereq., 115 or permission. Maximum credit, 6 hours.	109a	LITHOGRAPHY (3) 1:40-4:10 Prereq., 101 or permission.
231	SCULPTURE (3) 1:40-4:10 Modeling from life in clay and plaster. Maximum credit, 6 hours. Prereq., 131 or equiv.	109c	RELIEF PRINTS (3) 1:40-4:10 Prereq., 101 or permission.
301	INDIVIDUAL PROBLEMS (1-3) Arr. Prereq., permission. Maximum credit, 12 hours.	160	PRACTICAL DESIGN WORKSHOP FOR ELEMENTARY TEACHERS (3) 1:40-4:10 Prereq., 3.
305	ADVANCED PAINTING (2-3) Arr. Maximum credit, 6 hours. Prereq., 205 or equiv.	205	PAINTING (2) 8:40-11:10 Maximum credit, 6 hours. Prereq., 105 or equiv.
315	CERAMICS (3) Arr. Maximum credit, 6 hours. Prereq., 12 hours, including 115 and permission.	301	INDIVIDUAL PROBLEMS (1-3) Arr. Prereq., permission. Maximum credit, 12 hours.
381	RESEARCH (1-5) Arr. Prereq., permission.	305	ADVANCED PAINTING (2-3) Arr. Maximum credit, 6 hours Prereq., 205 or equiv.
405	ADVANCED PAINTING (1-5) Arr. Advanced work in traditional contemporary media. Maximum credit, 12 hours. Prereq., permission.	309a	LITHOGRAPHY (3-6) Arr. Prereq., 209 or permission.
415	CERAMICS (1-5) Arr. Maximum credit, 6 hours. Prereq., 315 or equiv.	381	RESEARCH (1-5) Arr. Prereq., permission.
		405	ADVANCED PAINTING (1-5) Arr. Maximum credit, 12 hours. Prereq., permission.
		495	THESIS (1-6) Arr. (As recommended by department.) Prereq., permission.
		496	STUDIO THESIS (2-4) Arr. Prereq., permission.

AVIATION

(Eleven-Week Course)

111 PRIMARY FLIGHT INSTRUCTION (2)
Arr. Successful completion of this course may terminate with a private pilot's certificate. Limited to 12. Prereq., 110 and permission. Fee \$400.

112 SECONDARY FLIGHT INSTRUCTION (2)
Arr. Dual flight instruction and solo practice. Prereq., 111 or private pilot's certificate and permission. Fee \$400.

211 INSTRUMENT FLIGHT INSTRUCTION (2)
Arr. Total time will be 30 hours. Prereq., commercial pilot's certificate or equivalent experience, and permission. Fee \$450.

BOTANY

(First Term)

3 GENERAL BOTANY (4)
8:40-11:50 MTWTh, 8:40-10:40 F. No credit if both Biology 1 and 2 have been completed.

104 READINGS IN BOTANY (1)
Arr. Prereq., 4 or Biol. 2.

205 ELEMENTARY PLANT PHYSIOLOGY (4)
8:40-11:50 MTWTh, 8:40-10:40 F. Prereq., 4; 1 yr. college chemistry.

343 BOTANICAL STUDIES (2 to 4)
Arr. Semi-independent studies supervised by the instructor. Maximum credit, 8 hours. Prereq., 12 hrs., including one listed course in that area, and permission.

481 RESEARCH PROBLEMS (1 to 4)
Arr. Independent research. Maximum credit, 6 hrs. Prereq., 18 hrs., and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

BOTANY

(Second Term)

4 GENERAL BOTANY (4)
8:40-11:50 MTWTh, 8:40-10:40 F. Prereq., 3.

104 READINGS IN BOTANY (1)
Arr.

123 INTRODUCTION TO THE FUNGI (3)
8:40-12:00 MTWTh. Prereq., 4 or Biol. 2.

343 BOTANICAL STUDIES (2 to 4)
Arr.

481 RESEARCH PROBLEMS (1 to 4)
Arr.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

BUSINESS COMMUNICATION

(First Term)

220 BUSINESS COMMUNICATION (2 sections) (3)
7:00, 8:40 Prereq., Eng. 4, junior or senior rank.

BUSINESS LAW

(First Term)

255 LEGAL ENVIRONMENT OF BUSINESS I (3)
7:00 Prereq., junior or senior rank.

342 LAW OF REAL ESTATE (2)
10:20 Prereq., 256 or permission.

381 RESEARCH IN LAW (1 to 3)
Arr. Prereq., 18 hrs. business administration including 256 and permission.

(Second Term)

256 LEGAL ENVIRONMENT OF BUSINESS II (3)
7:00 Prereq., 255.

381 RESEARCH IN LAW (1 to 3)
Arr.

Courses of Instruction

CHEMISTRY

(First Term and Eleven-Week Courses)

3 GENERAL CHEMISTRY (4)
8:40 Lab. 1:40-5:30 TTh. Prereq., h.s. alg.

107 QUANTITATIVE ANALYSIS (Eleven Week course)
Lab. 1:40-5:30 MW; 10:10-11:30 T;
10:10-11:10 Th. A course in Analytical chemistry for students not majoring in chemistry. Prereq., 7, or 4 and 99.

113 ORGANIC CHEMISTRY (Eleven Week course) (4)
8:40 MWF A course in the Fundamentals of organic chemistry for students not majoring in chemistry. Prereq., 4, 99; or 7.

117 ORGANIC CHEMISTRY LABORATORY (Eleven Week course) (2)
1:40-5:30 TTh A laboratory course in organic preparations and reactions to accompany 113. Prereq., 113 or 202, or with 113.

305 INSTRUMENTAL ANALYSIS (Eleven Week course)
Lab. 1:40-5:30 TTh; 8:40-11:00 T; 8:40-9:40 Th.

351 SPECIAL PROBLEMS IN CHEMISTRY (2 or 3)
Arr. Prereq., junior or senior with a B average.

451 SEMINAR: Anal., Inorg., Phys. (Eleven-Week course) (1)
Arr.

451 SEMINAR: Organic (Eleven-Week course) (1)
Arr.

479 SPECIAL TOPIC IN INORGANIC CHEM. (3)
Arr.

479 GROUP THEORY (Eleven-Week course) (3)
Arr.

481 RESEARCH (1 to 6)
Arr.

495 THESIS (1 to 4)
Arr.

581 DOCTORAL RESEARCH (1 to 6)
Arr.

595 DISSERTATION (1 to 6)
Arr.

(Second Term)

4 GENERAL CHEMISTRY (2)
8:40-9:40

99 QUALITATIVE ANALYSIS (2)
Lab. 1:40-5:30 TTh, 10:20 MW, Pre-req., 3; with 4.

351 SPECIAL PROBLEMS IN CHEMISTRY (1 to 3)
Arr. Prereq., junior or senior with B average.

481 RESEARCH (1 to 6)
Arr.

495 THESIS (1 to 4)
Arr.

581 DOCTORAL RESEARCH (1 to 6)
Arr.

595 DISSERTATION (1 to 6)
Arr.

COMPARATIVE ARTS

(First Term and Eleven-Week Courses)

117 INTRODUCTION TO FINE ARTS (3)
8:40

381 RESEARCH (3)
10:20

442 MUSIC OF THE BAROQUE PERIOD (3)
10:20 (Eleven-Week course) Music as an Artistic expression of the Baroque period; a history of the evolution of musical styles c. 1600- c. 1750. Prereq., F.A. 124 or permission.

474 ARCHITECTURE TO 1600 (3)
10:20 (Eleven-Week course) Architecture as a technical and artistic development from the Greeks to the Renaissance. Prereq., 176 or permission.

595 DISSERTATION (As recommended by department.)
Arr.

(Second Term)

118 INTRODUCTION TO FINE ARTS (3)
8:40
381 RESEARCH (3)
10:20
595 DISSERTATION (As recommended by department.)
Arr.

DRAMATIC ART
(First Term)

105 PLAY PRODUCTION (3)
8:40 Practical experience. Not open to majors in theatre.
147 THEATRE LABORATORY (1 to 3)
Arr. Technical production work connected with the production of the Ohio Valley Summer Theatre. Maximum credit, 6 hrs. Prereq., permission.
321 DRAMATIC CRITICISM (3)
7:00 Prereq., 12 hrs. or permission.
347 WORKSHOP IN SUMMER THEATRE (3 to 8)
Arr. Not open to graduate students. Maximum credit, 16 hrs. Prereq., permission.
381 RESEARCH (2 to 4)
Arr. Maximum credit, 6 hrs. Not open to graduate students. Prereq., senior standing and permission.
447 PROBLEMS IN SUMMER THEATRE OPERATION (3 to 6)
Arr. Maximum credit, 6 hrs. Prereq., permission.
494 RESEARCH (1 to 6)
Arr. Projects must be approved prior to registration. Prereq., permission.
495 THESIS (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

21 STAGE SCENERY (3)
10:20

123 STAGE LIGHTING (3)
8:40
147 THEATRE LABORATORY (1 to 3)
Arr. Maximum credit, 6 hrs. Prereq., permission.
148 COSTUME AND MAKEUP (2)
8:40
204 ACTING I (3)
10:20 Prereq., 99 and Speech 34.
347 WORKSHOP IN SUMMER THEATRE (3 to 8)
Arr. Not open to graduate students. Maximum credit, 16 hrs. Prereq., permission.
351 ADVANCED DIRECTING (3)
8:40 Prereq., 250
381 RESEARCH (2 to 4)
Arr. Maximum credit, 6 hrs. Not open to graduate students. Prereq., senior standing and permission.
447 PROBLEMS IN SUMMER THEATRE OPERATION (3 to 6)
Arr. Maximum credit, 6 hrs. Prereq., permission.
483 SEMINAR IN THEATRE HISTORY (3)
8:40 Study of medieval theatre and drama.
494 RESEARCH (1 to 6)
Arr. Projects must be approved prior to registration. Prereq., permission.
495 THESIS (As recommended by department.)
Arr. Prereq., permission.

ECONOMICS
(First Term)

101 PRINCIPLES OF ECONOMICS (3)
7:00 Designed to serve as a terminal course for students desiring one semester of work in economics. Prereq., not open to freshmen except by permission nor to those who have had 11 and 12.

Courses of Instruction

315	PUBLIC FINANCE (3) 10:20 Prereq., 12 or 102.	163	TEACHING THE LANGUAGE ARTS OF THE ELEMENTARY SCHOOL (4) 10:20; 12:00 TTh Prereq., 103, admission to junior standing in teacher education.
329	COMPARATIVE ECONOMIC SYSTEMS (3) 7:00 Prereq., 12 or 102.	165	TEACHING OF MATHEMATICS IN THE ELEMENTARY SCHOOL (3) 7:00 Prereq., Math 8, Ed. 103, and admission to junior standing in teacher education.
333	ECONOMICS OF THE FIRM (3) 8:40 Prereq., 12 or 102.	169	TEACHER OF SOCIAL STUDIES AND SCIENCE IN THE ELEMENTARY SCHOOL (4) 7:00; 8:40 TTh Prereq., 103, 9 hrs. of social science, including Geog. 150, and admission to junior standing to teacher education.
335	LABOR ECONOMICS (3) 8:40 Prereq., 12 or 102.	200	THE DEVELOPMENT OF KINDERGARTEN EDUCATION (2) 7:00-8:00 Prereq., 103, kindergarten-primary majors or permission. Not open to Freshmen.
361	ECONOMIC HISTORY OF THE UNITED STATES (3) 12:00 Prereq., 12 or 102.	201	MATERIALS AND METHODS IN KINDERGARTEN-PRIMARY EDUCATION (2) 1:40-2:40 Prereq., 103, 200, and kindergarten majors or permission.
375	ECONOMIC DEVELOPMENT (3) 10:20 Prereq., 12 or 102.	211	THE CHILD AND THE CURRICULUM (2 sections) (3) 8:40; 10:20 Prereq., senior, concurrent with or following 272.
381	RESEARCH IN ECONOMICS (1 to 3) Arr. Prereq., 15 hrs. and permission.	224	EDUCATION OF SLOW LEARNING CHILDREN (2 sections) (2) 7:00-8:00; 12:00-1:00 Prereq., permission.
495	THESIS (As recommended by department.) Arr. Prereq., permission.	226	METHODS AND MATERIALS FOR TEACHING SLOW-LEARNING CHILDREN LANGUAGE ARTS AND SOCIAL STUDIES (2 sections) (4) 7:00; 8:40 TTh; 10:20; 12:00 TTh Prereq., permission.

(Second Term)

102	PRINCIPLES OF ECONOMICS (3) 7:00 A continuation of Economics 101. Prereq., 11 or 101. Not open to freshmen, except by permission, nor to those who have had 12.
151	CURRENT ECONOMIC PROBLEMS (3) 8:40 Prereq., 12 or 102.
332	MODERN ECONOMIC THOUGHT (3) 10:20 Prereq., 12 or 102.
342	INTERNATIONAL ECONOMICS (3) 7:00 Prereq., 12 or 102.
381	RESEARCH IN ECONOMICS (1 to 3) Arr. Prereq., 15 hrs. and permission.
495	THESIS (As recommended by department.) Arr. Prereq., permission.

EDUCATION

ELEMENTARY EDUCATION
(First Term)

103	STUDIES OF CHILDREN (3) 10:20 Prereq., 277, admission to teacher education.
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241	AUDIO-VISUAL TEACHING AIDS (2 sections) (3) 8:40; 10:20
263	TEACHING OF MATHEMATICS IN THE UPPER GRADES (2) 1:40; 2:30 Prereq., Math 8.
303	ADVANCED STUDIES OF CHILDREN (3) 7:00 Prereq., permission or 15 hours Ed. or Psych. or permission.

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<p>411 PROBLEMS IN THE ELEMENTARY CURRICULUM (3) 7:00 Prereq., 211 or 359.</p> <p>420 PROGRAMS AND PROBLEMS IN THE TEACHING OF READING IN THE ELEMENTARY SCHOOL (3) 8:40</p> <p>421 MODERN PROGRAMS AND PROBLEMS IN ELEMENTARY SCIENCE (3) 10:20 Prereq., Ed. 169 or permission.</p>	<p>321 ORGANIZATION OF SPECIAL EDUCATION FOR EXCEPTIONAL CHILDREN (2 sections) (3) 10:20 Prereq., permission.</p> <p>411 PROBLEMS IN THE ELEMENTARY CURRICULUM (3) 8:40 See description in first term.</p> <p>417 CURRICULUM AND PROBLEMS IN ELEMENTARY SOCIAL STUDIES (3) 10:20 Prereq., Ed. 169 or permission.</p> <p>519 RESEARCH AND CURRICULUM IN ELEMENTARY EDUCATION, LANGUAGE ARTS (3) 12:00 Prereq., Ed. 488, permission.</p> <p>521 RESEARCH AND CURRICULUM IN ELEMENTARY EDUCATION, SCIENCE (3) 8:40 Prereq., Ed 488, permission.</p>
<p>(Second Term)</p>	
<p>102 LITERATURE FOR CHILDREN (3) 10:20 Prereq., 103.</p> <p>103 STUDIES OF CHILDREN (3) 7:00</p> <p>163 TEACHING THE LANGUAGE ARTS OF THE ELEMENTARY SCHOOL (4) 7:00; 8:40 TTh</p> <p>169 TEACHING OF SOCIAL STUDIES AND SCIENCE IN THE ELEMENTARY SCHOOL (4) 10:20; 12:00 TTh</p> <p>211 CHILD AND THE CURRICULUM (2 sections) (3) 7:00; 10:20 See description in First term.</p> <p>227 METHODS AND MATERIALS FOR TEACHING SLOW-LEARNING CHILDREN ARITHMETIC (2 sections) (2) 8:40-9:40 Prereq., permission.</p> <p>228 OCCUPATIONAL ORIENTATION AND JOB TRAINING FOR SLOW-LEARNING CHILDREN (2) 7:00-8:00 Prereq., permission.</p> <p>241 AUDIO-VISUAL TEACHING AIDS (3) 1:40 Prereq., permission.</p> <p>303 ADVANCED STUDIES OF CHILDREN (3) 8:40 See description in First term.</p> <p>304 DIAGNOSIS AND TREATMENT OF READING DISABILITIES (3) 10:20 Prereq., Student Teaching, permission.</p> <p>320 PREPARATION OF AUDIO-VISUAL MATERIALS (3) 8:40 Prereq., permission.</p>	<p style="text-align: center;">GENERAL</p> <p style="text-align: center;">(First Term)</p> <p>359 GENERAL CURRICULUM (3) Prereq., permission.</p> <p>359 GENERAL CURRICULUM (3) 1:40 Prereq., permission.</p> <p>479 CONTEMPORARY COMPARATIVE EDUCATION (3) 12:00 Prereq., permission.</p> <p style="text-align: center;">(Second Term)</p> <p>359 GENERAL CURRICULUM (3) 7:00 Prereq., 211 or 229 and permission.</p> <p>351 THE SCHOOL IN THE SOCIAL ORDER (3) 7:00 Prereq., 6 hrs., Psych. 71.</p> <p>353 THE EVOLUTION OF EDUCATIONAL THOUGHT (3) 10:20 Prereq., 6 hrs., Psych. 71.</p> <p style="text-align: center;">GUIDANCE, COUNSELING, AND STUDENT PERSONNEL SERVICES IN HIGHER EDUCATION</p> <p style="text-align: center;">(First Term)</p> <p>360 GUIDANCE PRINCIPLES (3) 10:20 Prereq., 6 hrs. incl. 130, and Psych. 71.</p>

Courses of Instruction

361a GUIDANCE AND COUNSELING PRACTICUM
—ELEMENTARY (2)
Arr. Prereq., 360 or 367, and permission.

361b GUIDANCE AND COUNSELING PRACTICUM
—SECONDARY (2)
Arr. Prereq., see 361a.

361c GUIDANCE AND COUNSELING PRACTICUM
—COLLEGE (2)
1:40 Prereq., see 361a.

362 INFORMATION SERVICE IN GUIDANCE (3)
7:00 Prereq., 360 or 367.

363 INDIVIDUAL ANALYSIS IN GUIDANCE (3)
7:00 Prereq., a course in measurement or equiv., 360 or 367.

367 GUIDANCE IN ELEMENTARY SCHOOLS (3)
8:40 Prereq., 6 hrs., and Psych. 71.

462 FIELD EXPERIENCE IN GUIDANCE AND STUDENT PERSONNEL SERVICES (2)
1:40 Supervised field work. Prereq., 361 and permission.

464 ADMINISTRATIVE RELATIONS IN GUIDANCE (3)
10:20 Prereq., 360 or 367, permission.

(Second Term)

360 PRINCIPLES OF GUIDANCE (3)
7:00 Prereq., 6 hrs., Psych. 71.

361a GUIDANCE AND COUNSELING PRACTICUM
—ELEMENTARY (2)
Arr. Prereq., 360 or 367, permission.

361b GUIDANCE AND COUNSELING PRACTICUM
—SECONDARY (2)
Arr. See 361a for prereq.

361c GUIDANCE AND COUNSELING PRACTICUM
—COLLEGE (2)
1:40 See 361a for prereq.

364 COUNSELING IN SCHOOLS (3)
8:40 Prereq., 360 or 367, permission.

462 FIELD EXPERIENCE IN GUIDANCE AND STUDENT PERSONNEL SERVICES (1-2)
10:20 Supervised field work. Prereq., 360 and permission.

465 GROUP GUIDANCE: MATERIALS AND PROCEDURES (3)
10:20 Prereq., 360, permission.

HUMAN RELATIONS
(First Term)

325 FIELD WORK OR RESEARCH (1 to 3)
Arr. Supervised work for a specified time in the offices of Admissions, Registrar, Ohio University Center, Housing, and University College; or research under the direction of the staff. Maximum credit 5 hrs. Prereq., 303, permission.

384 GROUP DYNAMICS (3)
8:40 Prereq., 3 hrs., Psych. or Soc.

RESEARCH AND SCIENTIFIC TECHNIQUES
(First Term)

381 EDUCATIONAL STATISTICS (3)
10:20 Prereq., 6 hrs., Psych. 71.

385 EDUCATIONAL MEASUREMENTS (3)
1:40 Prereq., 6 hrs., and Psych. 71.

478 SEMINAR IN EDUCATION (2)
1:40 Prereq., permission.

484 RESEARCH IN EDUCATION (1 to 3)
Arr. Prereq., permission.

488 INTRODUCTION TO GRADUATE STUDY (2 sections) (3)
8:40; 12:00 Required of all graduate students in education. Prereq., permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

595 DISSERTATION (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

382 ADVANCED EDUCATIONAL STATISTICS (3)
8:40 Prereq., 381.

385 EDUCATIONAL MEASUREMENTS (3)
10:20 Prereq., Psych. 71.

478 SEMINAR IN EDUCATION (2)
1:40 Prereq., permission.

484 RESEARCH IN EDUCATION (1 to 4)
Arr. Prereq., permission.

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488 INTRODUCTION TO GRADUATE STUDY (3)
8:40 Required of all graduate students
in education. Prereq., permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

595 DISSERTATION (As recommended by department.)
Arr. Prereq., permission.

SECONDARY EDUCATION
(First Term)

130 SECONDARY EDUCATION (3)
1:40 Prereq., Psych. 71, and admission
to teacher education or permission of
Personnel Dean in Education.

229 CURRICULUM AND TEACHING PRACTICES
(4)
7:00 TTh, 8:40 MTWThF Prereq., 130,
and admission to Jr. standing in teacher
education, or permission of Personnel
Dean in Education.

333 EXTRA-CLASS ACTIVITIES (3)
8:40 Prereq., permission.

432 THE HIGH SCHOOL CURRICULUM (3)
10:20 Prereq., 359.

(Second Term)

130 SECONDARY EDUCATION (3)
12:00 Prereq., Psych. 71, and admission
to teacher education or permission of
Personnel Dean in Education.

229 CURRICULUM AND TEACHING PRACTICES
(4)
7:00 TTh, 8:40 MTWThF Prereq., 130,
and admission to Jr. standing in teacher
education or permission of Personnel
Dean in Education.

333 EXTRA-CLASS ACTIVITIES IN THE SECONDARY
SCHOOL (3)
8:40 Prereq., permission.

SCHOOL ADMINISTRATION AND SUPERVISION
(First Term)

410 ADMINISTRATION OF THE ELEMENTARY
SCHOOL (3)
8:40 Prereq., 440.

430 HIGH SCHOOL ADMINISTRATION (3)
7:00 Prereq., 440.

440 GENERAL SCHOOL ADMINISTRATION (3)
12:00

442 EDUCATION FINANCE (3)
8:40 Prereq., 6 hrs. including 440.

445 PLANNING EDUCATIONAL FACILITIES (3)
10:20 Prereq., 440.

446 SUPERVISION OF INSTRUCTION (3)
1:40 MTWThF Laboratory experience
in analysis of teaching situations. Pre-
req., permission.

PROFESSIONAL LABORATORY EXPERIENCE
(First Term)

274 ADVANCED STUDENT TEACHING (3)
8:30-11:30 Open only to teachers with
at least three years of teaching experi-
ence. Prereq., permission.

274 ADVANCED STUDENT TEACHING (3)
8:30-11:30 (See description under 274
above.)

SCHOOL ADMINISTRATION AND SUPERVISION
(Second Term)

440 GENERAL SCHOOL ADMINISTRATION (3)
12:00 Prereq., permission.

441 STATE AND NATIONAL SCHOOL ADMINIS-
TRATION (3)
10:20 Prereq., 440.

443 SCHOOL LAW (3)
8:40 Prereq., 440.

447 PERSONNEL ADMINISTRATION IN EDU-
CATION (3)
10:20 Prereq., 440.

452a ADMINISTRATION PUPIL TRANSPORTA-
TION (1)
July 26-30 Prereq., permission.

Courses of Instruction

ENGINEERING

CHEMICAL ENGINEERING
(First Term)

101 INTRODUCTION TO CHEMICAL PROCESS PRINCIPLES AND EQUIPMENT (3)
7:00 The application of chemistry, physics, and elementary thermodynamics to the solution of typical industrial problems. Prereq., Chem. 4, 99, Math 16.

481 RESEARCH (1 to 4)
Prereq., permission.

495 THESIS (1 to 6)
Prereq., permission.

(Second Term)

481 RESEARCH (1 to 4)
Prereq., permission.

495 THESIS (1 to 6)
Prereq., permission.

CIVIL ENGINEERING

(No courses offered)

ELECTRICAL ENGINEERING

(Eleven-Week Courses except as indicated)

105 INTRODUCTORY LABORATORY I (1)
Arr.

106 INTRODUCTORY LABORATORY II (1)
Arr. Prereq., 105.

108 BASIC ELECTRICAL ENGINEERING II (3)
9:10-10:00 MTWF Prereq., 107.

204 ENERGY CONVERSION (3)
9:10-10:00 MTWF Prereq., 203, Phys. 114.

205 INTERMEDIATE LABORATORY I (1)
Arr. Prereq., 106.

206 INTERMEDIATE LABORATORY II (2)
Arr. Prereq., 205.

208 ELECTRONIC CIRCUITS (3)
7:10-8:00 MTWF Prereq., 207.

222 E. M. AND MATERIALS II (3)
8:10-9:00 MTWF Prereq., 221.

232 LINEAR SYST. AND NETWORK THEORY (3)
10:10-11:00 MTWF Prereq., 231.

331 SERVOMECHANISMS (3)
11:10-12:00 MTWF

404 NON-LINEAR ANALYSIS (3)
9:10-10:00 MTWF Prereq., Math 216.

420 CONTROL SYSTEM SYNTH. (3)
10:10-11:00 MTWF Prereq., 331 or 334.

453 SAL. TOPICS IN CONTROL (3)
11:10-12:00 MTWF Prereq., 430 or equivalent.

462 ADM. DIGITAL CIRCUITS (3)
8:10-9:00 MTWF Prereq., 208 or grad. status.

472 NETWORK TOPOLOGY (3)
Arr. Prereq., 470.

481* RESEARCH (1 to 4)
Arr. Prereq., 14 hrs. or permission.

495* THESIS (1 to 6)
Arr. Prereq., permission.

581* DOCTORAL RESEARCH (1 to 6)
Arr. Prereq., 15 hrs. or permission.

595* DISSERTATION (1 to 6)
Arr. Prereq., permission.

MECHANICAL ENGINEERING

(First Term)

303 MACHINE DESIGN I (3)
10:20 Prereq., 201, Ch.E. 211, C. E. 222.

390 SPECIAL INVESTIGATIONS (3)
Arr. Prereq., permission.

440 ADVANCED TOPICS IN INDUSTRIAL ENGINEERING
Arr. Prereq., permission, (1-4) hrs.

495 THESIS (As recommended by department.)
Prereq., permission.

*Offered both 5½ week terms.

(Second Term)

390 SPECIAL INVESTIGATIONS (3)
Arr. Prereq., permission.

440 ADVANCED TOPICS IN INDUSTRIAL ENGINEERING
Arr. Prereq., permission, (1-4) hrs.

495 THESIS (As recommended by department.)
Prereq., permission.

ENGLISH

(First Term and Eleven-Week Courses)

3 COMPOSITION (8 sections) (3)
7:00

4 COMPOSITION (4 sections) (3)
7:00; 12:00 A continuation of 3. Pre-req., 3.

101 ENGLISH LIT. THROUGH MILTON (3)
7:00 Prereq., 4 or 7.

102 ENGLISH LIT. SINCE MILTON (3)
8:40 Eighteenth century to the present.
Prereq., 4 or 7.

111 CHIEF AMERICAN WRITERS (2 sections)
(3)
8:40; 12:00 Prereq., 4 or 7.

112 CHIEF AMERICAN WRITERS (4 sections)
(3)
7:00; 8:40; 10:20; 12:00 Twain, James,
Crane, Dickinson, Eliot, Faulkner,
Frost, Hemingway, and others.

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227 INTERPRETATION OF FICTION (2 sections)
(3)
12:00; 1:40 Prereq., 3 hrs. beyond 4.

264 THE TEACHING OF HIGH SCHOOL ENGLISH (3)
8:40 Prereq., 4, junior standing.

293 ADVANCED COMPOSITION (3 sections) (3)
7:00; 10:20; 1:40 Prereq., 4, Jr.

311 HISTORY OF THE ENGLISH LANGUAGE (3)
8:40 Prereq., 12 hrs.

315 INTRODUCTION TO LINGUISTICS (3)
10:20

331 SEVENTEENTH CENTURY LITERATURE (3)
12:00 Donne, Bacon, Herrick, Browne,
and others. Prereq., 12 hrs. beyond 4
or 7.

345 NINETEENTH CENTURY ENGLISH NOVEL
(3)
10:20 Historical survey; critical analysis
of novels by Scott, Austen, Thackeray,
Dickens, Trollope, the Brontes,
Eliot, Meredith, Hardy, Conrad, and
others. Prereq., 12 hrs. beyond 4 or 7.

352 VICTORIAN POETRY AND PROSE (3)
1:40 Tennyson, Browning, Arnold, Car-
lisle, Newman, Ruskin and others. Pre-
req., 12 hrs. beyond 4 or 7.

469 STUDIES IN LITERATURE (Eleven-Week
course) (3) Advanced study of a period
or of some aspect of a period (a move-
ment, a genre, an author, etc.) of Eng-
lish or American Literature. The fol-
lowing will be scheduled regularly.
 a. MEDIEVAL (3)
Arr.
 b. RENAISSANCE (3)
Arr.
 d. ROMANTIC AND VICTORIAN
Arr.
 f. AMERICAN (3)
Arr.

495 THESIS (1 to 3)
Arr. For three or four hours of credit.

585 INDEPENDENT READING (3)
Arr.

595 DISSERTATION (1 to 6)
Arr.

(Second Term)

3 COMPOSITION (3)
7:00

4 COMPOSITION (4 sections) (3)
7:00; 12:00 Prereq., 3.

102 ENGLISH LIT. SINCE MILTON (2 sec-
tions) (3)
8:40; 10:20 Prereq., 4 or 7.

Courses of Instruction

111 CHIEF AMERICAN WRITERS (2 sections)
(3)
8:40; 12:00 Prereq., 4 or 7.

112 CHIEF AMERICAN WRITERS (2 sections)
(3)
12:00; 1:40

228 INTERPRETATION OF POETRY (3)
12:00 Prereq., 3 hrs. beyond Eng. 4.

293 ADVANCED COMPOSITION (2 sections) (3)
8:40; 10:20 Prereq., 4, junior.

321 SIXTEENTH CENTURY LITERATURE (3)
10:20 The English Renaissance and Humanism. Prereq., 12 hrs. beyond 4 or 7.

341 EIGHTEENTH CENTURY LITERATURE (3)
12:00 Pope, Swift, Gay, Defoe, Addison, Steele; the novel; the drama. Prereq., 12 hrs. beyond 4 or 7.

357 AMERICAN MASTERS OF FICTION (3)
1:40 Hawthorne, Melville, James and Twain. Prereq., 12 hrs. beyond 4 or 7.

495 THESIS (1 to 3)
Arr. For three or four hours credit.

586 INDEPENDENT READING (3)
Arr.

595 DISSERTATION (1 to 6)
Arr.

FINANCE
(First Term)

121 CORPORATION FINANCE (3)
7:00 Financial analysis. Prereq., 110 and Acct. 76 or 102.

305 INVESTMENT PRINCIPLES (3)
8:40 Prereq., 121

381 RESEARCH IN FINANCE (1 to 3)
Arr. Prereq., 9 hrs., Ec. 12 or 102, and permission.

491 SEMINAR IN FINANCE (3)
10:20 Prereq., 402 or permission.

495 THESIS (As recommended by department.)
Prereq., permission.

FINE ARTS
(See Comparative Arts)

GENERAL STUDIES
(First Term)

1 BIOLOGY — THE LIVING WORLD (3)
8:40-11:50 MTWTh No credit allowed for students who already have completed Bot. 3-4 or Zool. 3-4. Not open to juniors and seniors.

3 PHYSICAL SCIENCE — THE PHYSICAL WORLD (3)
12:00-1:00 Lab. 1:40-3:30 TWTh A general physical science course designed for non-science majors. Does not fulfill physics requirements for science majors. Not open to juniors and seniors.

(Second Term)

2 BIOLOGY — THE LIVING WORLD (3)
8:40-11:50 MTWTh No credit allowed for students who have already completed Bot. 3-4 or Zool. 3-4. Prereq., 1. Not open to juniors or seniors.

4 PHYSICAL SCIENCE — THE PHYSICAL WORLD (3)
12:00-1:00 A general course designed for non-science majors. Does not fulfill physics or chemistry requirements for science majors. Not open to juniors or seniors.

7 HUMANITIES — GREAT BOOKS (3)
8:40 Open to those who are eligible for or have taken English 3 or 7. Not open to juniors and seniors.

107 HUMANITIES — GREAT BOOKS (3)
8:40 Similar to Humanities 7 but designed for upperclassmen. Open to those who are eligible for or have taken English 3 or 7. Not open to freshmen or those who have had Humanities 7.

GEOGRAPHY AND GEOLOGY

GEOGRAPHY

(First Term)

150 **GEOGRAPHY AND ENVIRONMENT (3)**
8:40 Not open to students who have had 3.

202 **GEOGRAPHY OF THE UNITED STATES AND CANADA (3)**
10:20

232 **CONSERVATION OF NATURAL RESOURCES (3)**
10:20 Field trips.

382 **GEOGRAPHICAL STUDIES (1 to 4)**
Arr. Maximum credit in any one area, 8 hrs. Prereq., 12 hrs. and permission.

(Second Term)

150 **GEOGRAPHY AND ENVIRONMENT (3)**
10:40 Not open to students who have had 3.

202 **GEOGRAPHY OF THE UNITED STATES AND CANADA (3)**
8:40

382 **GEOGRAPHICAL STUDIES (1 to 4)**
Arr. Maximum credit in any one area, 8 hrs. Prereq., 12 hrs. and permission.

GEOLOGY

(First Term)

3 **ELEMENTS OF GEOLOGY (3)**
8:40 MTWTh, Lab. 1:40 MTWTh. Not open to students who have had 103. Field trips.

383 **GEOLOGICAL STUDIES (1 to 4)**
Arr. Maximum credit in any one area, 8 hrs., Prereq., 12 hrs. and permission.

493 **RESEARCH (1 to 4)**
Arr. Maximum credit in course, 6 hrs. Prereq., 18 hrs. and permission.

495 **THESIS (As recommended by department.)**
Arr. Maximum credit in course, 6 hrs. Prereq., permission.

(Second Term)

4 **ELEMENTS OF GEOLOGY (3)**
8:40 MTWTh, Lab. 1:40 MTWTh An introduction to earth history. Prereq., 3.

383 **GEOLOGICAL STUDIES (1 to 4)**
Arr. Maximum credit in any one area, 8 hrs. Prereq., 12 hrs. and permission.

493 **RESEARCH (1 to 4)**
Arr. Maximum credit in course, 6 hrs. Prereq., 18 hrs. and permission.

495 **THESIS (As recommended by department.)**
Arr. Maximum credit in course, 6 hrs. Prereq., permission.

GOVERNMENT

(First Term)

1 **AMERICAN GOVERNMENT (National) (3)**
10:20 Not open to juniors and seniors.

101 **COMPARATIVE (3)**
10:20

216 **INTERNATIONAL RELATIONS (3)**
8:40 Prereq., 6 hrs.

341 **AMERICAN FOREIGN POLICY (3)**
8:40 Emphasis is given to the current problems of American policy. Prereq., 9 hrs. govt. or hist.

343 **AMERICAN POLITICAL THOUGHT (3)**
1:40 Focusing upon concepts of democracy, liberty, and property. Prereq., 9 hrs. govt. or hist.

348 **PUBLIC ADMINISTRATION (3)**
10:20 Prereq., 9 hrs.

398 **PROBLEMS IN GOVERNMENT (1 to 3)**
Arr. Maximum credit, 6 hrs. Prereq., 15 hrs. and permission.

401 **RESEARCH IN GOVERNMENT (1 to 3)**
Arr. Maximum credit, 6 hrs. Prereq., 15 hrs. and permission.

495 **THESIS (As recommended by department.)**
Arr. Prereq., permission.

Courses of Instruction

(Second Term)

2 AMERICAN GOVERNMENT (National) (3)
Prereq., 1.
10:20 Not open to juniors and seniors.
Prereq., 1.

102 COMPARATIVE (3)
10:20 The government and politics of France and the Soviet Union.

106 CURRENT POLITICAL AND SOCIAL PROBLEMS (2)
8:40-9:40 Not open to those with 6 or more hrs. Govt.

305 AMERICAN POLITICAL PARTIES (3)
7:00 Prereq., 9 hrs.

391 SEMINAR: THE PRESIDENCY
10:20 Prereq., 15 hrs.

398 PROBLEMS IN GOVERNMENT (1 to 3)
Arr. Maximum credit, 6 hrs. Prereq., 15 hrs. and permission.

401 RESEARCH IN GOVERNMENT (1 to 3)
Arr. Maximum credit, 6 hrs. Prereq., 15 hrs. and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

HISTORY

(First Term)

1 WESTERN CIVILIZATION IN MODERN TIMES (2 sections) (3)
7:00; 8:40 Period from 1450 to 1815.
Not open to juniors and seniors.

101 HISTORY OF THE UNITED STATES (2 sections) (3)
7:00; 8:40 The political, diplomatic, social and economic development in American History to 1865.

331 SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES (3)
8:40 Prereq., 6 hrs.

375 HISTORY OF RUSSIA (3)
10:20 A survey from the earliest times to 1914. Prereq., 6 hrs.

392 PROBLEMS IN HISTORY (1 to 3)
Intensive individual work either in research or in systematic reading along the lines of the student's special interest under the supervision. Prereq., 15 hrs. and permission. Maximum credit 6 hrs.

495 THESIS (Kaldis)
Prereq., permission.

(Second Term)

2 WESTERN CIVILIZATION IN MODERN TIMES (2 sections) (3)
7:00; 8:40 From 1815 to World War II and post war problems. Not open to juniors and seniors.

102 HISTORY OF THE UNITED STATES (2 sections) (3)
7:00; 8:40 The political, diplomatic, social and economic developments of American History since 1865.

322 THE UNITED STATES IN RECENT TIMES — SINCE 1928 (3)
10:20 Prereq., 6 hrs., including 102.

361a THE RENAISSANCE (3)
10:20 Prereq., 6 hrs., including 1.

369 EUROPE FROM 1870 TO 1919 (3)
8:40 Prereq., 6 hrs., including 2.

495 THESIS
Prereq., permission.

HOME ECONOMICS

(First Term)

7 HOME AND ITS FURNISHINGS (2)
1:40

330 WORKSHOP IN HOME FURNISHINGS (3)
8:40; 10:20 MWF 1 lec., 4 lab. Prereq., 4 or 7; for non-majors, 3 or 14 and 4 hours art and permission.

353 HOME MANAGEMENT LABORATORY (3)
Arr. Residence in the home management house for one-half semester. A charge is made to cover room and board. Prereq., 351 with permission or 351.

366 VOCATIONAL HOME ECONOMICS (3)
1:40 Observations arranged. Prereq., 268 or teaching experience in home economics.

381 RESEARCH IN HOME ECONOMICS (1 to 3)
Arr. Maximum credit, 6 hrs. Prereq., 20 hrs., permission.

390b FIELD WORK — HOME SERVICE WORK WITH PUBLIC UTILITIES
Arr. Opportunities for on the job training and practical experience with business organizations. Prereq., 18 hrs., permission, senior rank.

390c FIELD WORK IN FOOD SERVICE (3 to 4)
Arr. 18 hours, permission, senior rank.

390d FIELD WORK IN RETAIL MERCHANDISING (3 to 4)
Arr. 18 hours, permission, senior rank.

391 HOME ECONOMICS SEMINARS (1 to 3)
Arr. Prereq., approval by chairman of department in which work is performed.

495 THESIS (As recommended by department.)
Prereq., permission.

(Second Term)

106 FAMILY LIVING (3)
8:40 Prereq., Psych. 1.

172 THE PRESCHOOL CHILD (2)
1:40 Maximum credit, 6 hrs.
Prereq., 5 or Ed. 103.

334 HOUSEHOLD EQUIPMENT (3)
8:40-11:00 1 lec. 4 lab. Prereq., 2 or 12, and 108.

350 PROBLEMS IN THE TEACHING OF HOME ECONOMICS (1 to 3)
Arr. Maximum credit, 6 hrs. Prereq., 18 hrs., and 268.

376 READINGS IN FAMILY LIVING (2 to 3)
10:20 Weekly conferences. Maximum credit, 6 hrs. Prereq., 106 and 172, or 9 hrs. psychology and/or sociology, permission.

381 RESEARCH IN HOME ECONOMICS (1 to 3)
Arr. Maximum credit, 6 hrs. Prereq., 20 hrs., permission.

390b FIELD WORK — HOME SERVICE WORK WITH PUBLIC UTILITIES
Arr. Opportunities for on-the-job training and practical experience with business organizations. Prereq., 18 hrs., permission, senior rank.

390c FIELD WORK IN FOOD SERVICE (3 to 4)
Arr. 18 hours, permission, senior rank.

390d FIELD WORK IN RETAIL MERCHANDISING (3 to 4)
Arr. 18 hours, permission, senior rank.

391 HOME ECONOMICS SEMINARS (1 to 3)
Arr. Prereq., approval by chairman of department in which work is performed.

495 THESIS (As recommended by department.)
Prereq., permission.

INDUSTRIAL TECHNOLOGY
(First Term)

9 CRAFTS (2)
1:40-3:40 Open to any student in the University.

80 DRIVER EDUCATION (1)
12:00-1:00 TTh; plus arranged. A course for novice drivers. Credit not counted toward degree. Fee \$15.

101 CERAMICS (2)
10:20-12:20

132 INDUSTRIAL ELECTRICITY (3)
7:00-10:10 Prereq., Phys. 6.

133 ELECTRICITY (3)
7:00-10:10 Prereq., Phys. 6.

180 DRIVER AND TRAFFIC SAFETY EDUCATION (3)
12:00-1:00; Arr. Laboratory experience aimed at improving own driving, and instructing novice drivers. Prereq., Psych. 71.

191 INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL (2)
1:40-3:40 Prereq., Elem. Ed. Major.

426 HISTORY AND PHILOSOPHY OF INDUSTRIAL EDUCATION (3)
8:40-10:10

Courses of Instruction

481 RESEARCH IN INDUSTRIAL ARTS (3)
10:20-11:50

(Second Term)

108 PLASTICS (2)
10:20-12:20

135 BASIC ELECTRONICS (3)
7:00-10:10 Prereq., 132 or 133.

144 GRAPHIC ARTS PROCESSES (3)
1:00-4:10

220 HYDRAULIC CONTROLS (2)
1:40-3:40

231 ELECTRONIC APPLICATIONS (3)
7:00-10:10 Industrial applications and extension of circuitry studied in the basic course. Prereq., 135 or concurrent, with laboratory time to be arranged.

247 ADVANCED GRAPHIC ARTS (2)
2:00-4:10 Prereq., 142 or 144.

361 DEVELOPMENT OF TEACHING AIDS FOR INDUSTRIAL EDUCATION (2)
1:00-3:00 Prereq., Teaching experience.

390 SPECIAL PROBLEMS IN INDUSTRIAL ARTS (2)
8:10-10:10 Prereq., permission.

450 ADVANCED WORK IN HYDRAULICS (2)
1:40-3:40

457 PROGRAM PLANNING IN INDUSTRIAL ARTS (3)
10:20-11:50

JOURNALISM

(First Term)

111 REPORTING PRACTICE (1 or 2)
Arr. Prereq., 107 and permission.

221 EDITING PRACTICE (1 or 2)
Arr. Prereq., 217 and permission.

277 NEWSPAPER ADVERTISING PRACTICE (1 to 4)
Arr. Prereq., 247 and permission.

306 NEWSPAPER AND COMMUNICATIONS LAW (2)
10:20 Prereq., 217, senior rank.

376 GRAPHIC PRODUCTION PROCESSES (3)
1:40 Prereq., 146, senior rank, permission.

378 SUPERVISING SCHOOL AND COLLEGE PUBLICATIONS (3)
8:40 The Publications Workshop will be analyzed on a case study basis. Prereq., 12 hrs. or permission.

381 RESEARCH IN JOURNALISM (1 to 3)
Arr. Prereq., 18 hrs. in journalism and advertising, permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

111 REPORTING PRACTICE (1 or 2)
Arr. Prereq., 107 and permission.

221 EDITING PRACTICE (1 or 2)
Arr. Prereq., 217 and permission.

277 NEWSPAPER ADVERTISING PRACTICE (1 to 4)
Arr. Prereq., 247 and permission.

322 FEATURE AND MAGAZINE WRITING (3)
10:20 Prereq., 107 or 12 hrs. Eng. or permission.

381 RESEARCH IN JOURNALISM (1 to 3)
Arr. 18 hrs. in journalism and advertising and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

LIBRARY SCIENCE

(Second Term)

192 CLASSIFICATION AND CATALOGING OF BOOKS (3)
10:20 Required for a minor in library science.

201 LIBRARY SERVICES FOR CHILDREN (3)
8:40
Prereq., Educ. 102, L. Sc. 291.

291 THE SCHOOL LIBRARY (3)
7:00 Required for a minor in library science.

MANAGEMENT

(First Term)

312 ADMINISTRATION OF PERSONNEL (3)
8:40 Prereq., 211 or permission.

314 PERSONNEL MANAGEMENT PROBLEMS (3)
10:20 Case method. Prereq., 312 or permission.

381 RESEARCH IN MANAGEMENT (1 to 3)
Arr. Prereq., 16 hrs. economics and/or business administration including 301 or 312 and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

301 PRODUCTION (3)
7:00 The productive process and its place in business activity. Prereq., 110 or permission.

380 MANAGEMENT POLICIES AND PRACTICES (3)
10:20 Prereq., senior standing in the College of Business Administration or permission. Not open to MBA degree students.

381 RESEARCH IN MANAGEMENT (1 to 3)
Arr. Prereq., 16 hrs. economics and/or business administration including 301 or 312 and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

MARKETING

(First Term)

155 MARKETING PRINCIPLES (3)
10:20 Prereq., Ec. 12 or 102.

258 MARKETING PROBLEMS (3)
1:40 Case method. Prereq., Mkt. 155.

381 RESEARCH IN MARKETING (1 to 3)
Arr. Prereq., 18 hrs. business administration including 5 hrs. marketing and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

MATHEMATICS

(First Term and Eleven-Week Courses)

1 ELEMENTARY ALGEBRA (3)
12:00 For students with no high school algebra. Credit and points not counted toward degree.

2 EUCLIDEAN GEOMETRY (3)
10:20 For students with no high school geometry. Prereq., 1 or 1 year high school algebra. Credit and points not counted toward degree.

3 COLLEGE ALGEBRA (3)
8:40 Prereq., Math 2, or 1 year each in algebra and geometry in high school. No credit for students who have had 2 years of high school algebra.

7 FOUNDATIONS OF ELEMENTARY ARITHMETIC (3)
1:40 Open to elementary education majors only. Prereq., high school algebra, plane geometry.

11 FUNDAMENTAL CONCEPTS OF CALCULUS (3)
1:40 For students in management, social and biological sciences. Prereq., Math 3 or 2 years high school algebra, and geometry.

16 ANALYTIC GEOMETRY AND CALCULUS (Eleven Week course) (5)
10:20 MTThF Prereq., Math 5 or equivalent.

101 ANALYTIC GEOMETRY AND CALCULUS (Eleven Week course) (4)
10:20 MWF Differentiation of logarithmic and transcendental functions, evaluation of integrals, limits and continuity, applications of derivatives and integrals, improper integrals, and polar coordinates. Prereq., 16.

Courses of Instruction

102 ANALYTIC GEOMETRY AND CALCULUS (Eleven Week course) (4)
7:00 MWF Solid analytic geometry, partial differentiation, multiple integrals, infinite series, and expansion of functions. Prereq., 101.

215 ADVANCED APPLIED MATHEMATICS (3)
8:40 Prereq., 102.

301 ARITHMETICAL AND ALGEBRAIC SYSTEMS (3)
10:20 Prereq., 102 or with 102.

314 FOURIER ANALYSIS AND PARTIAL DIFFERENTIAL EQUATIONS (2)
12:00 Prereq., Math. 215.

343 THEORY OF FUNCTIONS OF A COMPLEX VARIABLE (Eleven Week course) (3)
8:40 MWF Prereq., Math 215 or Math 341.

447 TOPOLOGY (Eleven-Week course) (3)
7:00 MWF Prereq. 341.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

2 EUCLIDEAN GEOMETRY (3)
12:00 See description, first term.

5 PRECALCULUS (3)
10:20 Selected topics in algebra and analytic trigonometry. Prereq., 1 year each in high school algebra and geometry. Not open to students who have had Math 9.

8 FOUNDATIONS OF ELEMENTARY MATHEMATICS (3)
1:40 A continuation of Math 7 with an introduction to informal geometry. Prereq., Math 7.

12 FUNDAMENTAL CONCEPTS OF CALCULUS (3)
12:00 A continuation of Math 11 with exponential and logarithmic functions. Prereq., Math 11.

321 MATRIX THEORY (3)
10:20 Prereq., Math 102.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

MODERN LANGUAGES

FRENCH

(First Term)

1 BEGINNING FRENCH (4)
8:40, 1:40 TTh

101 INTERMEDIATE FRENCH (4)
10:20, 1:40 TTh Prereq., 2, or 2 yrs. of high school French.

371 ADVANCED (Literature Studies) (3)
8:40 Prereq., 3 hrs. at 300 level.

401 GRADUATE READING FRENCH (3)
10:20

(Second Term)

2 BEGINNING FRENCH (4)
8:40, 10:20 TTh Prereq., 1, or 1 yr. high school French.

102 INTERMEDIATE FRENCH (4)
10:20, 1:40 TTh Prereq., 101 or 3 yrs. high school French.

372 ADVANCED (Literature Studies) (3)
6 hours at 200 level.

402 GRADUATE READING FRENCH (3)
10:20

GERMAN

(First Term)

1 BEGINNING GERMAN (4)
8:40, 1:40 TTh

101 INTERMEDIATE GERMAN (4)
10:20, 1:40 TTh Prereq., 2, or 2 yrs. high school German.

401 GRADUATE READING GERMAN (3)
10:20

(Second Term)

- 2 BEGINNING GERMAN (4)
8:40, 1:40 TTh Prereq., 1, or 3 yrs. high school German.
- 102 INTERMEDIATE GERMAN (4)
10:20, 1:40 TTh Prereq., 101 or 3 yrs. high school German.
- 402 GRADUATE READING GERMAN (3)
10:20

SPANISH

(First Term)

- 1 BEGINNING SPANISH (4)
8:40, 1:40 TTh
- 101 INTERMEDIATE SPANISH (4)
10:20, 1:40 TTh Prereq., 2, or 2 yrs. high school Spanish.
- 307 SPANISH LITERATURE SINCE CIVIL WAR (3)
10:20 Prereq., 6 yrs. at 200 level.

(Second Term)

- 2 BEGINNING SPANISH (4)
8:40, 1:40 TTh Prereq., 1, or 1 yr. high school Spanish.
- 102 INTERMEDIATE SPANISH (4)
10:20, 1:40 TTh Prereq., 101 or 3 yrs. high school Spanish.
- 305 20TH CENTURY SPANISH DRAMA (3)
10:20

MUSIC

(First Term)

- 72 MUSIC FUNDAMENTALS (2)
8:40 A course for elementary teachers only, involving theory, ear training, tone production.
- 104 DICTATION AND SIGHT SINGING (2)
Arr. Prereq., 103.
- 201 ANALYSIS AND FORM (2)
8:40 Harmonic and structural analysis of music composition. Prereq., 106.

- 315 ADVANCED HARMONY (2)
10:20 Prereq., 104, 106.

- 376a MUSIC CLINIC-WORKSHOP (June 18-July 1) (1)
Arr. Prereq., Sr., or Grad. majors.

- 381 RESEARCH IN MUSIC (1 or 2)
Arr. Prereq., 30 hrs. or the equivalent, permission.

- 402 HISTORY OF MUSICAL STYLES (3)
1:40 Prereq., 401.

- 403 SEMINAR IN MUSIC (1 to 2)
8:00 p.m. MTh Required of all graduate students enrolled in School of Music. Prereq., Grad. major, permission.

- 472 PROBLEMS IN THE SUPERVISION OF INSTRUMENTAL MUSIC (3)
10:20 Prereq., 261, 263, 2 hrs. observation, and 4 hrs. student teaching.

- 473 EXPERIMENTAL STUDIES (3)
Arr. Prereq., permission.

- 495 THESIS (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

- 262 MUSIC FOR THE CLASSROOM TEACHER (2)
10:20 Open to classroom teachers only. Prereq., 72.
- 263 WIND AND PERCUSSION TECHNIQUES (2)
8:40
- 381 RESEARCH IN MUSIC (1 or 2)
Arr. Prereq., 30 hrs. or the equivalent, permission.
- 466 MUSIC IN THE ELEMENTARY GRADES (3)
8:40 Prereq., permission.
- 471 PROBLEMS VOCAL SUPERVISION (2)
10:20 Prereq., permission.
- 495 THESIS (As recommended by department.)
Arr. Prereq., permission.

Courses of Instruction

APPLIED MUSIC

(First Term)

Private instructional fee for applied music (piano, woodwinds, brass, percussion), \$25 a semester hour. Prereq., in each is permission.

PIANO (1/2 or 1)

Arr. Prereq., permission.

WOODWIND INSTRUMENTS: Flute, Oboe, Clarinet, Bassoon (1/2 or 1)

Arr. Prereq., permission.

BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba (1/2 or 1)

Arr. Prereq., permission.

PERCUSSION INSTRUMENTS (1/2 or 1)

Arr. Prereq., permission.

UNIVERSITY BANDS (1/2)

7:00 p.m. TW Open to all students. Prereq., permission.

399 Applied music as a graduate minor; not open to undergraduates. Prereq., permission. Maximum credit, 8 hrs. (1)
Arr.
b. Piano
d. Woodwind Instruments
e. Brass Instruments
f. Percussion Instruments

433b PIANO (1)
Arr. Prereq., permission.

(Second Term)

\$25 a semester hour. Prereq., in each area is permission.

VOICE (1/2 or 1)

Arr. Prereq., permission.

WOODWIND INSTRUMENTS: Flute, Oboe, Clarinet, Bassoon (1/2 or 1)

Arr. Prereq., permission.

BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba (1/2 or 1)

Arr. Prereq., permission.

PERCUSSION INSTRUMENTS (1/2 or 1)

Arr. Prereq., permission.

UNIVERSITY BANDS (1/2)

7:00 p.m. TTh

CONDUCTING (2)

10:20 For music majors only; open to others by permission. Prereq., 104, 106, permission.

399 Applied music as a graduate minor; not open to undergraduates. Prereq., permission. Maximum credit, 8 hrs.
(1)
Arr.
a. Voice
d. Woodwind Instruments
e. Brass Instruments
f. Percussion Instruments

433a VOICE (1)

Arr. Prereq., permission.

433e BRASS INSTRUMENTS (1)

Arr. Prereq., permission.

PHILOSOPHY

(First Term)

1 PRINCIPLES OF REASONING (3)
8:40 Not open to juniors and seniors.

110 INTRODUCTION TO PHILOSOPHY (3)
10:20 An analysis of typical philosophical problems.

117 SOCIAL PHILOSOPHY (2)
8:40

304 CONTEMPORARY SOCIAL PHILOSOPHY (2)
10:20 Prereq., 6 hrs., or 3 hrs. and 6 hrs. of social science.

(Second Term)

2 MORAL PHILOSOPHIES (3)
8:40 Types of ethical theory. Not open to juniors and seniors.

110 INTRODUCTION TO PHILOSOPHY (3)
10:20 See first term.

201 ETHICS (3)
10:20

311 METAPHYSICS (2)
12:00 Prereq., 6 hrs.

PHOTOGRAPHY
(First Term)

121 **BASIC PHOTOGRAPHY (3)**
8:40-11:10 Not open to photog. majors.
Prereq., Art 101 or Arch. 12 or permission.

133 **BASIC NEWS PHOTOGRAPHY (3)**
1:40-4:10 Not open to photog. majors.

381a **PROBLEMS IN PHOTOGRAPHY (3)**
Arr. Prereq., 377.

481 **RESEARCH IN PHOTOGRAPHY (1 to 4)**
Arr. Prereq., 20 hrs., including 381,
permission.

**PHYSICAL EDUCATION AND
INTERCOLLEGIATE ATHLETICS**

SERVICE COURSES FOR MEN AND WOMEN

(First Term)

1 **SPORTS (Individual) (1)**
8:40 Archery, badminton, handball, or
squash.

3 **BEGINNING SWIMMING (2 sections) (1)**
8:40; 10:20 For students who are un-
able to swim.

4 **INTERMEDIATE SWIMMING (2 sections)
(1)**
10:20; 12:00 For students who have
passed a beginner's swimming test or
can swim. Prereq., 3 or equiv.

5 **ADVANCED SWIMMING (1)**
12:00 For those who have passed the
Red Cross Swimmer's Test or its equi-
valent. Prereq., 4 or permission.

17 **BEGINNING TENNIS (3 sections) (1)**
8:40; 10:20; 1:40

18 **INTERMEDIATE TENNIS (1)**
1:40 A continuation of 17. Prereq., 17
or experience.

41 **BEGINNING GOLF (4 sections) (1)**
8:40; 10:20; 12:00; 1:40

42 **INTERMEDIATE GOLF (1)**
1:40 Prereq., 41 or playing experience;
own clubs.

45 **BEGINNING BOWLING (4 sections) (1)**
8:40; 10:20; 12:00; 1:40 \$12.50 pin fee.

47 **RIDING (1)**
3:20 MTWTh At McAfee and Merri-
man Farms, \$20.00 fee.

RECREATIONAL DIP HOUR (0)
1:40 No fee and no credit.

(Second Term)

2 **SPORTS (Individual) (1)**
8:40

3 **BEGINNING SWIMMING (2 sections) (1)**
8:40; 10:20

4 **INTERMEDIATE SWIMMING (3 sections)
(1)**
8:40; 10:20; 12:00 Prereq., 3 or equiv.

5 **ADVANCED SWIMMING (1)**
12:00 Prereq., 4 or equiv.

17 **BEGINNING TENNIS (3 sections) (1)**
8:40; 10:20; 1:40

18 **INTERMEDIATE TENNIS (1)**
1:40 Prereq., 17 or equiv.

41 **BEGINNING GOLF (4 sections) (1)**
8:40; 10:20; 12:00; 1:40

42 **INTERMEDIATE GOLF (1)**
1:40 Prereq., 41 or equiv.; own clubs.

45 **BEGINNING BOWLING (4 sections) (1)**
8:40; 10:20; 12:00; 1:40

47 **RIDING (1)**
3:20 MTWTh

RECREATIONAL DIP HOUR (0)
1:40

**MAJOR-MINOR-GRADUATE
TEACHER EDUCATION COURSES
FOR MEN AND WOMEN**

(First Term)

102 **PERSONAL AND COMMUNITY HEALTH (3)**
8:40

128 **ATHLETIC TRAINING (2)**
1:40 Prereq., Zool. 133 or permission.

Courses of Instruction

270 TEACHING OF PHYSICAL EDUCATION (2 sections) (1) 12:00 MW; 12:00 TTh

353 CLINICAL OBSERVATION AND PRACTICE IN PHYSICAL MEDICINE AND REHABILITATION (4)
8:00-5:00 A concentrated field course at Veterans Administration Hospital, Chillicothe, Ohio. Open to senior majors or graduate students in physical education. Prereq., Zool. 133, 134 or equiv.

400 GUIDED INDEPENDENT STUDY (1)
Arr.

401 PROBLEMS IN HEALTH AND PHYSICAL EDUCATION (3)
8:40

410 THE CURRICULUM IN PHYSICAL EDUCATION (3)
12:00

452 PHYSICAL DIAGNOSIS (3)
1:40

492 FOUNDATIONS OF HEALTH EDUCATION AND PHYSICAL EDUCATION (3)
10:20

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

102 PERSONAL AND COMMUNITY HEALTH (3)
8:40

121 PROGRAM SKILLS (2)
10:20

221 PROGRAM SKILLS (2)
10:20 Elementary school program. Prereq., 61; 165 or 166.

269 TEACHING OF HEALTH (3)
7:00 Prereq., 102.

271 PHYSICAL EDUCATION WORKSHOP (Elementary) (1) (Aug. 7-11)
8:40-3:20

349 COMMUNITY RECREATION (3)
8:40

395 SCHOOL HEALTH PROBLEMS (3)
10:20

400 GUIDED INDEPENDENT STUDY (1)
Arr.

406 PROBLEMS OF INTERSCHOOL ATHLETICS (3)
12:00 Prereq., 10 hrs., and graduate rank.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

PHYSICS

(First Term and Eleven-Week Courses)

6 INTRODUCTION TO PHYSICS (4)
8:40 Lab. 1:40-3:30 TWTh Fundamentals of mechanics, heat, sound, electricity, light and atomic structure. Intended mainly for non-scientists including students majoring in liberal arts subjects, the humanities, premedical and predental students, and architects.

114 GENERAL PHYSICS (Eleven Week course) (4)
10:20-11:35 MWF Lab. 1:40-3:30 TTh (8 weeks) For students of chemistry, engineering, mathematics, and physics. Electricity, magnetism, wave motion, and light. Prereq., 113, Math. 101 or with 101.

115 GENERAL PHYSICS (3)
8:40 For students of chemistry, engineering, mathematics and physics. Required of all physics majors. Prereq., 114.

361 SPECIAL PROBLEMS (1 to 3)
Arr. Maximum credit, 8 hrs. Prereq., 15 hrs.

480 SPECIAL STUDY (1 to 3)
Arr. Prereq., permission.

481 RESEARCH (As recommended by department.)
Arr. Prereq., 15 hours and permission.

489 COLLOQUIM (1)
4:00 F

491 SEMINAR, NUCLEAR (1)
Arr. Prereq., 15 hrs. and permission.

491 SEMINAR, SOLID STATE (1)
Arr. Prereq., 15 hrs. and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

581 DOCTORAL RESEARCH (As recommended by department.)
Arr. Prereq., 15 hrs. and permission.

595 DISSERTATION (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

361 SPECIAL PROBLEMS (1 to 3)
Arr. Maximum credit, 8 hrs. Prereq., 15 hrs.

480 SPECIAL STUDY (1 to 3)
Arr. Prereq., permission.

481 RESEARCH (As recommended by department.)
Arr. Prereq., 15 hrs. and permission.

489 COLLOQUIM (1)
4:00 F

491 SEMINAR, NUCLEAR (1)
Arr. Prereq., 15 hrs. and permission.

491 SEMINAR, SOLID STATE (1)
Arr. Prereq., 15 hrs. and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

581 DOCTORAL RESEARCH (As recommended by department.)
Arr. Prereq., 15 hrs. and permission.

595 DISSERTATION (As recommended by department.)
Arr. Prereq., permission.

PSYCHOLOGY

(First Term)

1 GENERAL PSYCHOLOGY (3)
10:20 Not open to juniors and seniors.

9 IMPROVEMENT OF READING AND STUDY METHODS (1)
8:40 MW; Arr. 2 lec. and 1 lab. Credit points not counted toward a degree.

71 EDUCATIONAL PSYCHOLOGY (3)
8:40 Prereq., 1 or 101. Not open to juniors and seniors.

121 ELEMENTARY STATISTICS FOR THE BEHAVIORAL SCIENCES (3)
8:40 Prereq., Math. 3 with minimum grade of C, or 9, or 15.

142 INTRODUCTION TO PSYCHOLOGICAL TESTS (3)
10:20 Prereq., 1 or 101; 121 or equivalent.

173 CHILD & ADOLESCENT PSYCHOLOGY (3)
8:40 Prereq., 1 or 101.

226 EXPERIMENTAL PSYCHOLOGY (3)
8:40-11:50 Individual reports and experiments. Prereq., 1 or 101, 121.

261 INDUSTRIAL PSYCHOLOGY (3)
8:40 For business administration, engineering, and technology, and psychology majors interested in entering industry as management trainees. Prereq., 1 or 101.

301 EXPERIMENTAL SENSORY PSYCHOLOGY (3)
12:00 2 lect., 3 lab. Prereq., 226.

303 LEARNING (3)
10:20 Lec. and lab. combined. Prereq., 226.

332 ABNORMAL PSYCHOLOGY (3)
7:00 2 Lec., 1 lab. Prereq., 9 hrs.; or 6 hrs., and 6 hrs. Zool.

333 PSYCHOLOGY OF PERSONALITY (3)
7:00 Prereq., 9 hrs.

336 SOCIAL PSYCHOLOGY (3)
10:20 Prereq., 9 hrs.

Courses of Instruction

390 MINOR PROBLEMS IN PSYCHOLOGY (1 to 3)
Arr. Relatively independent work emphasized. Maximum credit, 6 hrs. Prereq., 9 hrs., permission.

441 BEHAVIORAL MEASUREMENT (2)
10:20 Prereq., 421 or Educ. 381 or equiv., required of graduates who have not had 142.

442 INDIVIDUAL INTELLIGENCE TEST (Eleven Week Course) (3)
Arr. 10:20 Prereq., 140 or 441.

446 PRACTICUM IN PSYCHOLOGICAL ASSESSMENT (1 to 3)
Arr. Prereq., 443 (or concurrently).

455 PRACTICUM IN COUNSELING AND PSYCHOTHERAPY (Eleven Week course) (1 to 3)
Arr. Supervised experience in counseling and psychotherapy. A pre-or co-requisite to the clinical internship; may be repeated for maximum of 6 hrs. Prereq., 454 (or concurrently.)

458 THEORY OF GROUP PSYCHOTHERAPY (3)
8:40 Prereq., 453.

491 RESEARCH IN PSYCHOLOGY (1 to 3)
Arr. Prereq., 15 hrs., permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

595 DISSERTATION (As recommended by department.)
Arr. Prereq., permission.

390 MINOR PROBLEMS IN PSYCHOLOGY (1 to 3)
Arr. See first term.

491 RESEARCH IN PSYCHOLOGY (1 to 3)
Arr. Prereq., 15 hrs., permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

595 DISSERTATION (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

1 GENERAL PSYCHOLOGY (3)
10:20 Not open to juniors and seniors.

9 IMPROVEMENT OF READING AND STUDY METHODS (1)
8:40 MW; Arr. 2 lec. and 1 lab. Credit and points not counted toward degree.

71 EDUCATIONAL PSYCHOLOGY (3)
8:40 Prereq., 1 or 101. Not open to juniors and seniors.

131 PSYCHOLOGY OF ADJUSTMENT (3)
8:40 Prereq., 1 or 101. No credit given if 332 or 333 have been taken.

RADIO-TELEVISION

(First Term)

79 INTRODUCTION TO RADIO-TELEVISION (2)
8:40

302 PRINCIPLES OF TELEVISION PRODUCTION (3)
10:20 Not open to undergraduate Radio-TV majors.

375 BROADCAST PROGRAMMING (3)
1:40 Prereq., 201.

494 RESEARCH (1 to 4)
Arr. Projects must be approved prior to registration.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

595 DISSERTATION
Arr. Prereq., permission.

(Second Term)

360 INSTRUCTIONAL METHODS IN EDUCATIONAL RADIO-TELEVISION (3)
10:20 Preparation of instructional units for telecasting. Prereq., junior standing, permission.

372 BROADCASTING POLICIES AND REGULATION (3)
1:40 Prereq., 201.

420 BROADCASTING AND NATIONAL POLICY (3)
8:40

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

595 DISSERTATION
Arr. Prereq., permission.

SOCIOLOGY AND ANTHROPOLOGY (First Term)

1 INTRODUCTION TO SOCIOLOGY (3)
8:40 & 10:20 Not open to juniors or seniors.

101 PRINCIPLES OF SOCIOLOGY (3)
8:40 Not open to students who have taken 1.

105 INTRODUCTION TO ANTHROPOLOGY (3)
10:20 Prereq., 1 or 101.

203 READINGS IN SOCIOLOGY (1)
Arr. Maximum credit, 2 hrs. Prereq., 2 or 102.

303 SOCIOLOGICAL THEORY (2)
10:20 MTWTh Historical development of Sociology. Prereq., 9 hrs.

321 CONTEMPORARY SOCIAL MOVEMENTS (3)
10:20 Case studies of typical movements. Prereq., 6 hrs.

350 TOPICAL SEMINAR: SOCIAL CHANGE (2)
8:40 MTWTh Prereq., 15 hrs. and permission.

381 RESEARCH PROBLEMS IN SOCIOLOGY (1 to 3)
Arr. Maximum credit, 6 hrs. Prereq., 15 hrs., including 152 and 175, and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., 152, 301, 381, or equivalent, and permission.

(Second Term)

1 INTRODUCTION TO SOCIOLOGY (3)
8:40 Not open to juniors or seniors.

2 SOCIAL PROBLEMS (3)
10:20 Not open to juniors and seniors.
Prereq., 1.

110 SOCIAL BEHAVIOR (3)
8:40 Prereq., 1 or 101.

260 SOCIOLOGY OF THE FAMILY (3)
10:20 Prereq., 1 or 101.

315 FOLK COMMUNITIES (3)
10:20 Prereq., 6 hrs.

322 JUVENILE DELINQUENCY (3)
12:00 Field trips. Prereq., 6 hrs.

350 TOPICAL SEMINAR: SCHOOL AND THE COMMUNITY (2)
8:40 MTWTh Prereq., 15 hrs. and permission.

381 RESEARCH PROBLEMS IN SOCIOLOGY (1 to 3)
Arr. Maximum credit, 6 hrs. Prereq., 15 hrs., including 152 and 175, and permission.

495 THESIS (As recommended by department.)
Arr. Prereq., 152, 301, 381, or equivalents, and permission.

SPEECH FUNDAMENTALS AND PUBLIC ADDRESS (First Term)

1 FUNDAMENTALS OF SPEECH (5 sections)
(1)
12:00 TTh (Lecture)
1:40 MW (Lecture)
7:00 TTh
8:40 MW
10:20 MW
12:00 MW
1:40 TTh
Study and practice of basic techniques for effective participation in everyday speaking situations.

3 PUBLIC SPEAKING (2)
1:40 Principles of public speaking.
Prereq., 1 or proficiency test.

325 DIRECTION OF FORENSIC PROGRAMS (3)
7:00 Practical application in Forensics
Summer Workshop. Prereq., 25, 205, or equiv.

Courses of Instruction

371 AMERICAN PUBLIC ADDRESS, 1865 TO PRESENT (3)
8:40 Prereq., junior standing, 9 hrs. or permission.

388 MEASUREMENT METHODOLOGY IN COMMUNICATION (3)
10:20

491 SEMINAR IN SPEECH EDUCATION (3)
1:40 Individual projects.

494 RESEARCH (1 to 6)
Arr. Projects must be approved prior to registration. Prereq., permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

595 DISSERTATION (As recommended by department.)
Arr. Prereq., permission.

(Second Term)

1 FUNDAMENTALS OF SPEECH (5 sections)
(1)
12:00 TTh (Lecture)
1:40 MW (Lecture)
7:00 TTh
8:40 MW
10:20 MW
12:00 MW
1:40 TTh

3 PUBLIC SPEAKING (2)
1:40 Prereq., 1 or proficiency test.

305 GROUP DISCUSSION AND CONFERENCE LEADERSHIP (3)
7:00 Prereq., junior standing.

344 APPROACHES TO THE STUDY OF COMMUNICATION (3)
8:40 Prereq., 12 hrs., or 9 hrs. of psychology, or permission.

381 RESEARCH (3)
10:20 Not open to graduate students.
Prereq., permission.

401 INTRODUCTION TO GRADUATE STUDY (3)
10:20 Conduct of research and the selection of a thesis problem.

494 RESEARCH (1 to 4)
Arr. Prereq., permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

595 DISSERTATION (As recommended by department.)
Arr. Prereq., permission.

**SPEECH PATHOLOGY, AUDIOLOGY AND SPEECH SCIENCE
(First Term)**

272 DISORDERS OF ARTICULATION AND VOICE (3)
12:00 One to two hours per week of practicum required. Prereq., 12 hrs. or permission.

323 AUDITORY REHABILITATION (3)
10:20

347 PRACTICUM IN DIAGNOSIS AND THERAPY (1 to 3)
Arr. Required of all majors. Undergraduates limited to 3 hrs. Prereq., 321.

358 STUTTERING II (3)
7:00 Required practicum. Prereq., 270, 12 hrs. of psychology.

405 CLINICAL ADMINISTRATION (3)
1:40

421 ADVANCED DIAGNOSTIC PROCEDURES (3)
10:20 Special diagnoses, etiologies, tests and methods. Required practicum in diagnostic clinic. Prereq., 321, 9 hrs. psychology.

468 SEMINAR IN SPEECH SCIENCE (3)
8:40 Prereq., 6 hrs. in speech science.

469 LANGUAGE ACQUISITION AND BEHAVIOR (3)
8:40

476 RESEARCH DESIGN (3)
12:00 Required research projects.

494 RESEARCH (1 to 4)
Arr. Projects must be approved prior to registration. Prereq., permission.

495 THESIS (As recommended by department.)
Arr. Prereq., permission.

595	DISSERTATION (As recommended by department.) Arr. Prereq., permission.	381	RESEARCH IN BUSINESS STATISTICS (1 to 3) Arr. Prereq., 18 hrs. business administration including 155 and permission.
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(Second Term)

194	SPEECH CORRECTION FOR THE CLASSROOM TEACHER (3) 7:00
267	THE SPEECH AND HEARING MECHANISM (3) 8:40 Prereq., 196.
329	CLINICAL AUDIOLOGY (3) 8:40 Theory and application of speech audiometry. Prereq., 268, 271.
347	PRACTICUM IN DIAGNOSIS AND THERAPY (1 to 3) Arr. See first term.
419	SPEECH DISORDERS AND OROFACIAL ANOMALIES (3) 7:00 Research techniques and specialized instrumentation.
423	CEREBRAL PALSY (3) 10:20 Prereq., permission.
467	PHYSIOLOGICAL ACOUSTICS (3) 1:40
494	RESEARCH (1 to 6) Arr. Prereq., permission.
495	THESIS (As recommended by department.) Arr. Prereq., permission.
595	DISSERTATION (As recommended by department.) Arr. Prereq., permission.

STATISTICS

(First Term)

155	BUSINESS STATISTICS (4) (Lec.) 7:00, 8:40 M (Schedule one lab.) Lab. 8:40 WF Lab. 8:40 TTh Elementary statistical methods. Prereq., Ec. 12 or 102 and Math. 3 and 4 or Math. 15 and 16.
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381	RESEARCH IN BUSINESS STATISTICS (1 to 3) Arr. Prereq., 18 hrs. business administration including 155 and permission.
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ZOOLOGY

(First Term)

3	PRINCIPLES OF ZOOLOGY (4) 8:40-11:50 Elementary physiology and anatomy of a living organism. No credit if student has had Biology 1, 2.
241	ELEMENTARY BACTERIOLOGY (4) 8:40-11:50 Department majors are referred to Zool. 311, Prereq., 4 or Biol. 2, or 6 hrs. botany, or 8 hrs. chemistry.
343	BIOLOGICAL STUDIES (1 or 2) Arr. Semi-independent studies under the guidance of the instructor. Maximum credit in any one area, 8 hrs. Prereq., 10 hrs., and permission.
485	RESEARCH IN BIOLOGY (1 to 4) Research work in all areas listed under 343. Maximum credit, 6 hrs. Prereq., 20 hrs., permission.
495	THESIS (As recommended by department.) Prereq., permission.

(Second Term)

4	PRINCIPLES OF ZOOLOGY (3) 8:40-11:20 MTWTh A survey of the important animal phyla to illustrate major biological principles. Prereq., 3. No credit if student has had Biol. 1 or 2.
343	BIOLOGICAL STUDIES (1 to 2) Arr. See first term.
485	RESEARCH IN BIOLOGY (1 to 4) See first term.
495	THESIS (As recommended by department.) Prereq., permission.



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